AFOLUX GEN II Panel PC

New flat bezel, multi-touch, wide voltage, modular expansion AFOLUX panel PC

From the heritage of affordable Luxury AFOLUX Panel PC, AFOLUX GEN II Panel PC shows it's spirit to exceed the history. The AFOLUX GEN II Panel PC is slim and stylish and provides two types of touch option. RFID reader, wide voltage power input remove the words in YELLOW are its features which make it more flexible and more powerful than ever!

Innovative product design:

- AFOLUX GEN II flat bezel design is 14% thinner than AFOLUX
- Projected capacitive multi-touch and resistive single touch screen options

New technology for more functions:

- LED dash system for eye-catching notification
- Integrated EM/ Mifare RFID reader
- Smart fan-less temperature management
- 9~36VDC wide voltage fits all power requirements
- Light fanless temperature management

9~36VDC wide voltage input

EM/Mifare RFID reader

LED dash system

AFOLUX GEN II – More than Affordable Luxury

The AFOLUX Panel PC positions itself as an affordable luxury system by offering comprehensive functions. In heritage of AFOLUX spirit, AFOLUX GEN II enhances its ability to show its ambition to be advanced flagship industrial panel PC in the world with more stylish and more functions.

	AFOLUX	AFOXLUX GEN II
Type of Touch	Resistive single touch	Resistive single touch / Projected capacitive multi-touch
Front Panel Design	Conventional bezel	Flat bezel
RFID Reader	N/A	EM/ Mifare RFID Reader

2012 New AFOLUX GEN II at a Glance

Platform	12.1"	15"	W15.6"	17"	W18.9"
Intel® Atom™ N270			AFL2-W15A-N270		
AMD ASB1 L325			AFL2-W15A-L325		
Intel® Atom™ D525	AFL2-12A-D525				
Intel® HM65 *Intel® Core™ i7| i5| i3*	AFL2-12A-HM65				
Intel® H61 *Intel® Core™ i7| i5| i3*		AFL2-15A-H61	AFL2-W15B-H61	AFL2-17A-H61	AFL2-W19A-H61

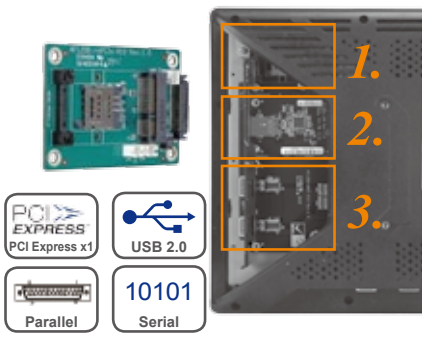
AFOLUX GEN II Panel PC Feature Highlight

Flexible Expansion Slots for Diverse Requirement

In industrial computing world, customers' requests are very different. To increase efficiency in fulfilling expansion requirement, designing expansion interface in advance can make it easier for customer to choose suitable expansion units.

Option 1 – PCIe + Serial Modular Expansion

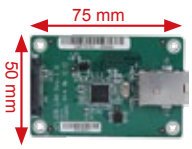
The AFOLUX GEN II series reserves expansion interfaces for implementing suitable modular add-on cards, which provide extra functions and I/O ports.There are two types of module for you to choose. ODM module is welcomed.



Type	Function	Interface	IEI Module Board
A	HSUPA 3.75G connection	PCIe Mini card	AFL2DB-MPCIE-R10
A	DVBT/ ATSC or hybrid TV tuner	PCIe Mini card	AFL2DB-MPCIE-R10
A	Ethernet	PCIe x1	AFL2DB-LAN-R10
A	USB 3.0	PCIe x1	AFL2DB-USB3-R10
A	Video capture card (4 port)	PCIe x1	AFL2DB-CPT4-R10
B	Serial port	2 x Serial	AFL2DB-UART-R10

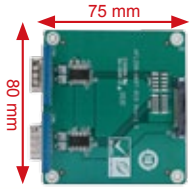
Benefits of modular expansion

All the modules can be added or replaced easily to increase efficiency and adaptation ability for different requirements.



Type A Module

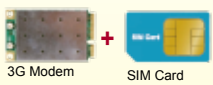
It is in a small and slim size to provide PCIe Mini interface, GbE, USB 3.0 or 4-channel video capture functions without any compromise in size.



Type B Module

Extra COM ports are needed for connecting peripheral devices for the industrial automation. The AFOLUX GEN II Type B module offers two more serial ports for the system.

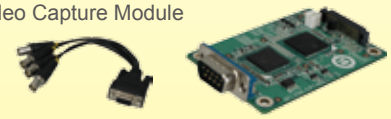
- **AFL2DB-MPCIE-R10**
  PCIe Mini Card Carrying Module



- **AFL2DB-LAN-R10**
  Giga Ethernet Module

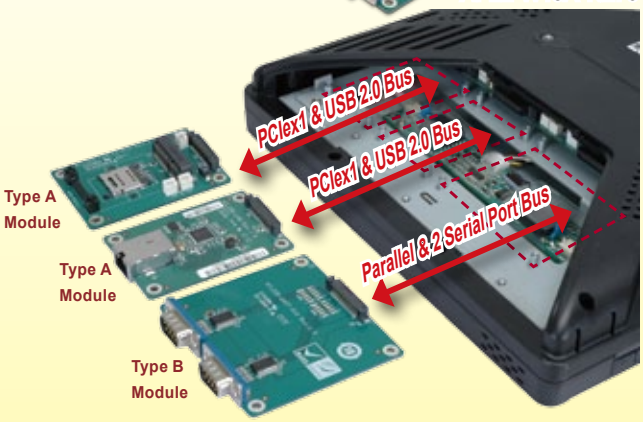
- **AFL2DB-USB3-R10**
  USB 3.0 Module

- **AFL2DB-CPT4-R10**
  4-Channel Video Capture Module



- **AFL2DB-UART-R10**
  Serial Expansion Module

AFL2-W15A-N270

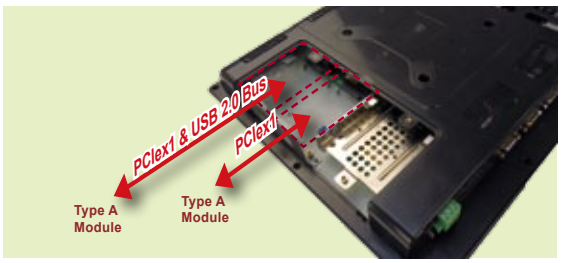


3G/ Ethernet/ Wi-Fi communication

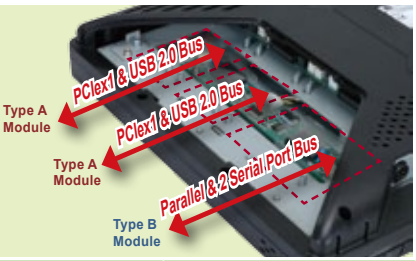
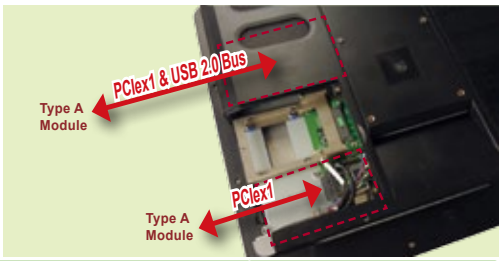
Surveillance

Automation

AFOLUX GEN II Expansion Module Selection Guide

Expansion Option			
			

Model		AFL2-12A-D525 / HM65	AFL2-15A-H61	AFL2-W15B-H61
Module Expansion	PCIe x1 & USB 2.0 (Type A module)	1 (AFL2DB-LAN-R10 only)	1 (AFL2DB-MPCIE-R10 only)	1 (AFL2DB-MPCIE-R10 only)
	PCIe x1 (Type A module)	N/A	1	1
	Parallel & 2 serial (Type B module)	N/A	N/A	N/A

Expansion Option			
			

Model		AFL2-W15A-N270	AFL2-W15A-L325	AFL2-17A-H61	AFL2-W19A-H61
Module Expansion	PCIe x1 & USB 2.0 (Type A module)	2	1	1 * (AFL2DB-MPCIE-R10 only)	1 * (AFL2DB-MPCIE-R10 only)
	PCIe x1 (Type A module)	N/A	1	1	1 (AFL2DB-MPCIE-R10 only)
	Parallel & 2 serial (Type B module)	1	1	N/A	N/A

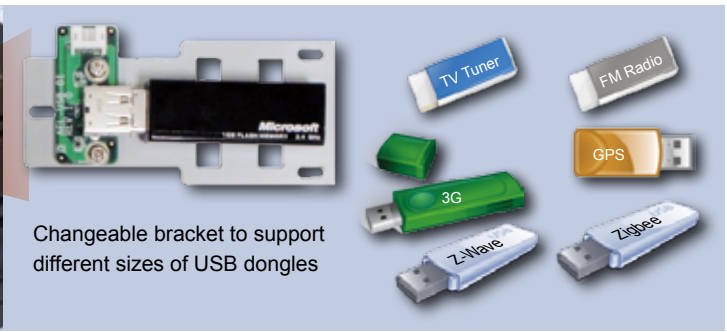
* Either CD-ROM or AFL2DB-MPCIE-R10 expansion

Option 2 – USB Dongle

Changeable USB dongle bracket matches any size of USB device to expand functions

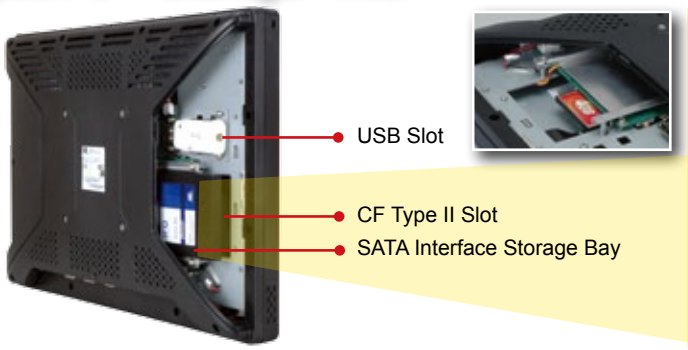
Customizable I/O bracket to fit diverse USB dongle expansion

Reserved internal USB slot allows fast deployment of diverse USB dongles.



Option 3 – Storage Area

Extra 2.5” SATA SSD and SATA SSD modules can be added on reserved area, increasing storage capacity.



Reliable Anti-Vibration SSD

2.5” SATA SSD

- Vibration: 20 G (7~2000 MHz)
- Shock: 1500 G / 0.5 ms

SATA SSD Module

- Capacity: 8 GB ~ 32 GB
- Data Transfer Rate: up to 90 / 30 MB
- Power Supply: 5 V
- Power Consumption: <250 / 150 mA

Seamless IP 64 Flat Bezel LED Panel with Multi-touch Operation

Rugged and flat screen

The AFOLUX GEN II series' flat-bezel design, which is thinner than before and no bezel needed, makes it look more stylish and is free from cleaning dust cumulated at the bezel. The IP64 compliant screen is water and dust resistant, ensuring flawless operation. The AFOLUX GEN II is also upgraded to use LED panel. The AFOLUX GEN II benefits from the advantages of the LED panel's thin depth and becomes thinner and stronger.

Advanced Flat-Bezel Design

Model	AFL-W15A-N270	AFL2-W15A-N270
Dimensions (WxHxD) (mm)	400 x 273 x 63	400 x 259 x 54

Sleek & Stylish

Enhanced touch technology – projected capacitive touch

Projected capacitive touch panel is stronger and with higher transparency than the resistive type of touch. It also supports Windows 7 multi-touch function compatible with glove-wearing users and enhancing ease-of-use.

Model	AFL2-W15A-N270/PC	AFL2-W15A-N270/R	AFL-W15A-N270/R
Type of Touch	Projected capacitive type	Resistive type 5-wire touch	Resistive type 5-wire touch
Touch Function	Multi-touch	Single-touch	Single-touch
Transparency	85%	80%	78%
Hardness	≥6H	≥3H	≥3H
Input Flexibility	Hand/ glove	Hand/ glove/ stylus	Hand/ glove/ stylus

Glove-friendly multi-touch

Wide Voltage Power Input

Power supply requirement varies from applications. Incorrect voltage input will damage electronic components thus cause system break down. To eliminate time and repair cost from downtime, AFOLUX GEN II series offers wide voltage power input, which fits different application scenarios and increase stability of the system.

AFOLUX	AFOLUX GEN II
12VDC/ 18~30VDC	9~36 VDC

Industrial automation

In-vehicle 18V~24V panel PC

Selectable AT/ATX Power

Remote Control AT Mode

The power is controlled by a central power unit rather than a power switch. The system turns on automatically when the power is connected.

- Easy to turn on/off with wall/panel mounting
- Automatic start when power connected

Remote Control ATX Mode

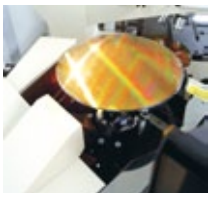
With the ATX mode selected, the system series panel PC goes in a standby mode when it is turned off. The panel PC can be easily turned on via network or a power switch in standby mode.

- Power management
- Remote control via network advantage

Enhanced System Stability by Light Fanless

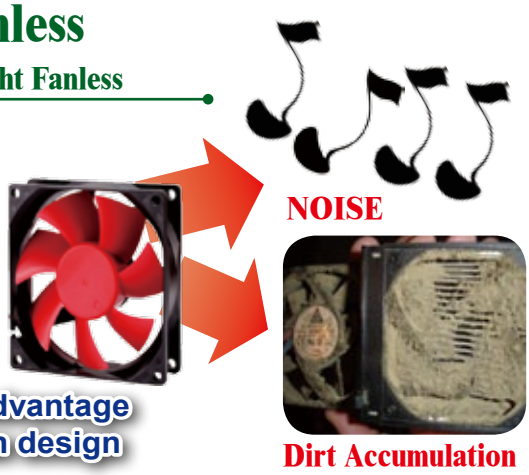
35W/ 65W Intel® Core™i7/ i5/ i3 and Celeron® Processor in Light Fanless

57% of light industrial applications are in -20 °C to 35 °C and require quiet working environment and try to avoid dirt accumulation while fan turns on, like clean room, indoor HMI, and hospital. To optimize system performace, high power CPU is essential, however, the heat is dispersed by fan which is not compatible to some application. IEI introduces light fanless panel PC to provide high performance and fanless solution at the same time.


Clean Room

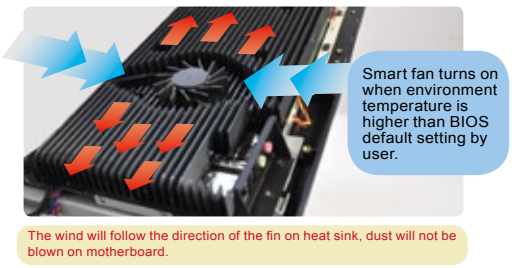
Hospital

Airport/ Train Station



K-type Ambient Temperature Sensor with Smart Fan

AFOLUX Gen II light fanless technology utilizes K-type thermocouple temperature sensor to detect environment temperature and control fan operation, enhancing system stability and remote environment control. When the environment is lower than default temperature setting by user, the fan will be switched off, showing the advantage of quite and dust free from fanless mode. While the environment temperature is higher, the smart fan will be turned on to speed up heat emission.
[Support AFL2-XXX-H61 series model]


Smart fan turns on when environment temperature is higher than BIOS default setting by user.
Cold air
Heat emission
The wind will follow the direction of the fin on heat sink, dust will not be blown on motherboard.

Active LED Dash Light Notification System

To notify field staffs in an efficient way to increase productivity, the AFOLUX GEN II integrates LED dash light system on the side frame. With the provided software API, users can customize their notification according to their needs through a quick and easy user interface. The customized functions include light scripts, programmable colors, light duration, flash rates and light patterns.

Active Information Management: Integrated RFID Reader and LED Dash Light System

The AFOLUX GEN II series supports RFID reader function. The RFID reader is located at the bottom of the screen. All the data on the RFID tag can be easily retrieved or updated through the reader to secure the data transmission process and increase efficiency for certain identity group.

EM/Mifare RFID Reader

Electronic wallet

Data security and workflow management

AFOLUX II 12.1"~15" Selection Guide

	Model	AFL2-12A-D525	AFL2-12A-HM65	AFL2-15A-H61	AFL2-W15B-H61
LCD Specifications	Size	12.1" (4:3)		15" (4:3)	15.6" (16:9)
	Resolution	1024 (W) x 768 (H)		1024 (W) x 768 (H)	1366 (W) x 768 (H)
	Brightness (cd/m²)	600		400	300
	Contrast Ratio	700:1		700:1	500:1
	LCD Color	16.2 M		16.2M	16.7M
	Pixel Pitch (mm)	0.240 (H) x 0.240 (V)		0.297(H) x 0.297 (V)	0.252(H) x 0.252 (V)
	Viewing Angle (H-V)	176° / 176°		160° / 140°	170° / 160°
	Backlight MTBF	50000 hrs (LED backlight)		50,000 hrs (LED backlight)	50,000 hrs (LED backlight)
System	CPU	Intel® Atom™ D525 1.8GHz dual core processor	2nd Generation Intel® Core™i7/ i5/ i3 and Celeron® processor	2nd Generation Intel® Core™ i7/ i5/ i3, Celeron® and Pentium® processor	
	Chipset	Intel® ICH8M	Intel® HM65	Intel® H61	
	RAM	Support one 204-pin DDR3 SO-DIMM slot (max. 4G)		Support two 204-pin DDR3 SO-DIMM slot (max. 16G)	
	Ethernet	Realtek RTL8111E PCIe GbE controller supports ASF 2.0		Realtek RTL8111E PCIe GbE controller supports ASF 2.0	
	SSD	CF Type II socket	N/A	CF Type II socket	
	HDD	2.5" SATA 3Gb/s HDD bay	2.5" SATA 6Gb/s HDD bay	2.5" SATA 3Gb/s HDD bay	
	Input / Output	RS-232 (DB-9 connector) RS-232 (RJ-45 connector) RS-422/485 (4-pin box header) GbE LAN (RJ-45 connector) 4 x USB 2.0 Mini USB 2.0 port on front panel Audio jack (line-out) VGA port (DB-15 connector) SD card slot on front panel Power switch AT/ATX switch Reset button Clear CMOS button DC input jack	RS-232 (DB-9 connector) RS-232 (RJ-45 connector) RS-422/485 (4-pin box header) GbE LAN (RJ-45 connector) 2 x USB 2.0 2 x USB 3.0 Mini USB 2.0 port on front panel Audio jack (line-out) HDMI port SD card slot on front panel Power switch AT/ATX switch Reset button Clear CMOS button DC input jack	2 x RS-232 (DB-9 connector) GbE LAN (RJ-45 connector) on left side RS-422/485 (RJ-45 connector) 3 x USB 2.0 (2 on bottom side 1 on left side) 2 x USB 3.0 Mini USB 2.0 port on front panel SD card slot on front panel Line out, MIC on left side HDMI port Power switch AT/ATX switch Reset button Clear CMOS button 9 ~ 36V DC input jack 9 ~ 36V Terminal block	
	Expansion Interface	1 x PCIe Mini slot for Wi-Fi 1 x PCIe Mini slot reserved		1 x PCIe Mini slot for Wi-Fi 1 x PCIe Mini slot reserved	
Other Features	Audio	AMP 1.5 W + 1.5 W (internal speaker)		AMP 1.5 W + 1.5 W (internal speaker)	
	Camera	1.3 M pixels with low light function		1.3 M pixels with low light function	
	RFID Reader	EM 125 KHz or Mifare 13.56 MHz card reader (optional)		EM 125 KHz or Mifare 13.56 MHz card reader (optional)	
	MSR Card Reader	MSR card reader (optional)		MSR card reader (optional)	
	OSD Function	LCD on/off, brightness up/down, volume up/down, Hot Key		LCD on/off, brightness up/down, volume up/down, Hot Key	
	Ambient Light Sensor	Yes		Yes	
	Infrared Remote Controller	Yes		Yes	
	Touch Screen	5-wire resistive type or projected capacitive type touch screen		5-wire resistive type or projected capacitive type touch screen	
	TPM	N/A		Reserved by pin-header	
	LED Light Bar	N/A		N/A	
	Fan Design	fanless	Light fanless (smart fan operates above default temperature setting)	Light fanless (smart fan operates above default temperature setting)	
Wireless		1 x Wireless LAN 802.11 b/g/n 2T2R module (internal PCIe Mini card interface) (Optional, internal USB interface, Bluetooth V2.1+EDR)		1 x Wireless LAN 802.11 b/g/n module (internal PCIe Mini card interface) (Optional, internal USB interface, Bluetooth V2.1+EDR)	
Physical	Construction Front Panel	ABS + PC Plastic		ABS + PC Plastic	
	Mounting	Panel, Wall, Rack, Stand and Arm (VESA 100 mm x 100 mm)		Panel, Wall, Rack, Stand and Arm (VESA 100 mm x 100 mm)	
	Color	Black		Black	
	Dimensions (WxHxD) (mm)	310 x 265 x 52.6		363.2 x 305.1 x 58.8	399.4 x 271.2 x 58.8
	Weight (N/G)	3.2 kg / 5.5kg	3.8 kg / 6.1 kg	5.2 kg / 7.3 kg	4.5 kg / 6.5 Kg
Environment	Temperature (°C)	Operation: -20°C ~ 50°C, Storage: -20°C ~ 60°C		Operation: -20°C ~ 50°C, Storage: -20°C ~ 60°C	
	IP Level	IP 64 compliant front panel		IP 64 compliant front panel	
Power	Power Supply	60W power adapter Input: 100VAC~240VAC, 50/60 Hz Output: 19VDC	90W power adapter Input: 100VAC~240VAC, 50/60Hz Output: 19VDC	90W power adapter Input:100 V AC ~ 240 V AC, 50 / 60Hz Output: 19 V DC	
	Power Requirement	9 ~ 36 VDC		9 ~ 36 VDC	
	Power Consumption	19V@2.2A (Intel® ATOM™ D525 CPU with 800MHz 2GB DDR3 memory)	19V@2.68A (Intel® Core™ i5-2510E processor with 4GB DDR3 memory)	19V@3.42A (Intel® Core™ i3-2100T CPU with 4GB 1333 Mhz DDR3 memory)	19V@3.95A (Intel® Core™ i3-2120 CPU with 4GB 1333 Mhz DDR3 memory)

AFOLUX II 15"~18.9" Selection Guide

	Model	AFL2-W15A-N270	AFL2-W15A-L325	AFL2-17A-H61	AFL2-W19A-H61
LCD Specifications	Size	W15.6" (16:9)	W15.6" (16:9)	17" (4:3)	W18.9" (16:9)
	Resolution	1366 (W) x 768 (H)	1366 (W) x 768 (H)	1280 (W) x 1024 (H)	1440 (W) x 900 (H)
	Brightness (cd/m²)	250	250	350	250
	Contrast Ratio	500:1	500:1	1000:1	1000:1
	LCD Color	16.2M	16.2M	16.7M	16.7M
	Pixel Pitch (mm)	0.252 (H) x 0.252 (V)	0.252 (H) x 0.252 (V)	0.264 (H) x 0.264 (V)	0.2835 (H) x 0.2835 (V)
	Viewing Angle (H-V)	110º/85º	110º/85º	170° / 170°	170° / 160°
	Backlight MTBF	50,000 (LED backlight)	50,000 (LED backlight)	50,000 (LED backlight)	30,000 (LED backlight)
System	CPU	Intel® Atom™ processor N270 1.6GHz CPU	AMD ASB1 L325 dual core 1.5GHz CPU	2nd Generation Intel® Core™ i7/ i5/ i3, Celeron® and Pentium® processor	
	Chipset	Intel® 945GSE + ICH7M	AMD 780E + SB710	Intel® H61	
	RAM	One 200-pins DDR2 SO-DIMM (max. 2GB)	Two 200-pins DDR2 SO-DIMM (max. 4GB)	Support two 204-pin DDR3 SO-DIMM slots (max. 16G)	
	Ethernet	Realtek RTL8111CP PCIe GbE LAN		Realtek RTL8111E PCIe GbE controller support ASF 2.0	
	SSD	CF Type II	CF Type II	N/A	
	HDD	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	2.5" SATA 3Gb/s HDD bay	
	CD-ROM	N/A	N/A	1 x Slim Type CD-ROM bay	
	Input / Output	1 x RS-232 COM port 1 x RS-232/422/485 COM port 1 x RJ-45 for GbE LAN 2 x USB 2.0 1 x Power switch 1 x Reset button 1 x Audio port (Line-out) 1 x VGA 1 x Power jack 1 x External SATA 1 x 8-bit digital I/O, 4-bit input/4-bit output (optional)	1 x RS-232 COM port 1 x RS-232/422/485 COM port 1 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power switch 1 x Reset button 1 x Audio port (Line-out) 1 x VGA 1 x Power jack 1 x HDMI 1 x 8-bit digital I/O, 4-bit input/4-bit output (optional)	2 x RS-232 (DB-9 connector) RS-422/485 (DB-9 connector) 2 x GbE LAN (1 on bottom side 1 on left side) 2 x USB 3.0 3 x USB 2.0 (2 on bottom side 1 on left side) Mini USB 2.0 port on front panel SD card slot on front panel 1 x Line out , MIC (on Left side) VGA port (DB-15 connector) HDMI port Power switch AT/ATX switch Reset button Clear CMOS button 9 ~ 36V DC input jack	
	Expansion Interface	2 x PCIe x1, 1 x USB dongle, 1 x Parallel port expansion, 2 x Serial port expansion	2 x PCIe x1, 1 x Parallel port expansion, 2 x Serial port expansion * USB signal not supported on slot 2	1 x PCIe Mini slot for Wi-Fi 1 x PCIe Mini slot reserved	
Other Features	Audio	AMP 1.5 W + 1.5 W (internal speaker)			
	Camera	1.3 M pixels with low light function			
	RFID Reader	EM 125 KHz or Mifare 13.56 MHz card reader (optional)			
	MSR Card Reader	N/A	N/A	MSR card reader (optional)	
	OSD Function	LCD on/off, brightness up/down, volume up/down		LCD on/off, brightness up/down, volume up/down, Hot Key	
	Ambient Light Sensor	Yes	Yes	Yes	
	Infrared Remote Controller	Yes	Yes	Yes	
	Touch Screen	5-wire resistive type or projected capacitive type touch screen			
	TPM	N//A	N/A	Reserved by pin-header	
	LED Light Bar	N/A	N/A	Yes	
	Fan Design	Fanless	Fanless	Light fanless (smart fan operates above default temperature setting)	
Wireless		1 x Wireless LAN 802.11 b/g/n module (internal PCIe Mini card interface) (Optional, internal USB interface, bluetooth V2.1+EDR)		1 x Wireless LAN 802.11 b/g/n module (internal PCIe Mini card interface) 1 x Bluetooth function (Optional, internal USB interface, Bluetooth V2.1+EDR)	
Physical	Construction Front Panel	Panel ABS + PC plastic front frame			
	Mounting	VESA 100 mm x 100mm	VESA 100 mm x 100mm	Panel Wall, Rack, Stand and Arm VESA 100 mm x 100 mm	
	Color	Black	Black	Black	
	Dimensions (WxHxD) (mm)	400 (W) x 267 (H) x 54 (D)	400 (W) x 267 (H) x 54 (D)	418 (W) x 378 (H) x 65 (D)	488 (W) x 361 (H) x 65 (D)
	Weight (N/G)	3.8 Kg	3.8 Kg	6.9 kg / 9.0 kg	7.9 kg / 10 Kg
Environment	Temperature (°C)	Operation: -10°C ~ 50°C, Storage: -20°C ~ 60°C	Operation: -10°C ~ 50°C, Storage: -20°C ~ 60°C	Operation: -20°C ~ 50°C, Storage: -20°C ~ 60°C	
	IP Level	IP 64 compliant front panel			
Power	Power Supply	60W power adapter Input: 90VAC~264VAC, 50/60 Hz Output: 12VDC	84W power adapter Input: 90VAC~264VAC, 50/60 Hz Output: 12VDC	120W power adapter Input:100 V AC ~ 240 V AC, 50/60Hz Output: 19 V DC	
	Power Requirement	12VDC	12VDC	9 ~ 36 VDC	9 ~ 36 VDC
	Power Consumption	12V@4.25A (Intel® ATOM™ N270 CPU with 667MHz 2GB DDR2 memory)	12V@5.67A (AMD® ASB1 L325 CPU with 667MHz 2GB DDR2 memory)	19V@5.3A (Intel® Core™ i7-2600S CPU with 1333MHz 4GB DDR3 memory)	19V@5.58A (Intel® Core™ i7-2600S CPU with 1333MHz 4GB DDR3 memory)

AFL2-12A-HM65
AFL2-12A-D525

■ Intel® 2nd Gen Core™ i7/i5/i3 Solution

■ Intel® Atom™ D525 Dual Core Solution

12.1" AFOLUX GEN2 Flat-bezel Panel PC

New

- 12.1" 600nits 1024 x 768 flat-bezel LCD with LED backlight
- Supports projected capacitive touchscreen or 5-wire resistive type touchscreen
- Two built-in 1.5W speakers and microphone
- GbE LAN for high speed network applications
- One 204-pin DDR3 SO-DIMM slot (system max. 4GB)
- Wi-Fi 802.11b/g/n 2T2R high speed wireless
- EM or Mifare RFID reader
- IP 64 compliant front panel
- Auto-dimming control
- Built-in 1.3 megapixels webcam with AF, AE and AWB capabilities
- Wide range 9~36 VDC input

Applications

Medical treatment

Restaurant

Office

Library

Seamless Flat-Bezel Design

The flat-bezel design covers the entire front frame (bezel) to make the screen and bezel appear to blend together. The seamless flat-bezel touchscreen system offers a stylish and easy to clean surface.

Flat-Bezel Advantages

- Sleek and stylish appearance
- Perfect edge design prevents dust and water accumulation (IP 64)
- Easy-to-clean surface

Sleek & Stylish

IP 64

Advanced Flat-Bezel Design

Multimedia Device Ready

Built-in 1.3 megapixels CMOS webcam

- SXGA resolution image sensor
- Frame rate: 1280x1024@ 7.5fps max. 640x480@ 24~30fps
- Auto white balance
- Auto exposure
- Video resolution: 1280 x 1024, 800 x 600, 640 x 480, 352 x 288, 320 x 240, 176 x 144, 160 x 120.
- Auto compensation
- Focus range from 25 cm to infinity
- Flip control option
- High speed USB 2.0 interface
- Image storage format: AVI
- Photo storage format: BMP, JPEG

LED Backlight

The LED backlight panel displays clearer and more vivid images even in outdoor environments with bright sunlight.

- Wider color gamut
- More even screen illumination
- Longer display life
- Low temperature operation and greater power efficiency

Traditional Product

AFL2-12A Product

Two Touch Panel Options

Both the projected capacitive touch (PCAP) and 5-wire resistive touch screen provide powerful viewing options. See comparison below.

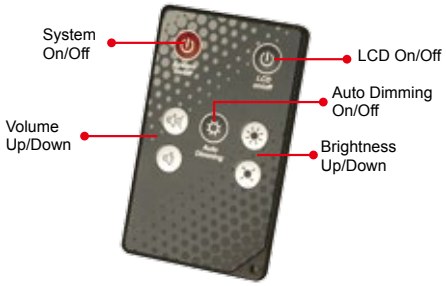
Touch Panel	Resistive Touch	Projected Capacitive Touch
Theory	There are two layers of insulation film, one has resistor, another can be considered a pure conductor, press to make them contact, to change resistance to position.	Make charge movement by a finger contacting. These charge comes from around wire of touch screen wire, IC analysis the current produed due to charge moverment to position.
Transparency	above 78%	above 85%
Touch accuracy	above 98.5%	above 98.5%
Surface hardness	2H	7H
Indoor visual effect	Good	Good
Sunlight visual effect	Normal	Good
Touch sensitivity	Fingers (even wear gloves), nails, stylus etc.	Only fingers. Non-living objects, nails, gloves are invalid.
Multitouch	No	Support in Windows 7
Scratch resistance	Easily scratched, need protected film and frequently calibration.	The outer use glass, anti-scratch
Immunity	No	Electromagnetic interference
Dust/Dirt effect	No	Small, but easy to clean
Environmental adaptability	No requirement for humidity, and can operate under wider temperature.	At least 5% operationg humidity and temperature range is narrow.

Auto Dimming

- More confortable viewing, decreases eye strain and tiredness
- Power consumption saving
- Extend lamp lifetime

IR Remote Controller

The IR remote controller is a convenient way to adjusts visual settings.



Diverse Performance Options

- **Reliable Fanless System-Intel® Atom™ Platfrom**
  High performance with low power consumption runs fast and stable for long-term usage.

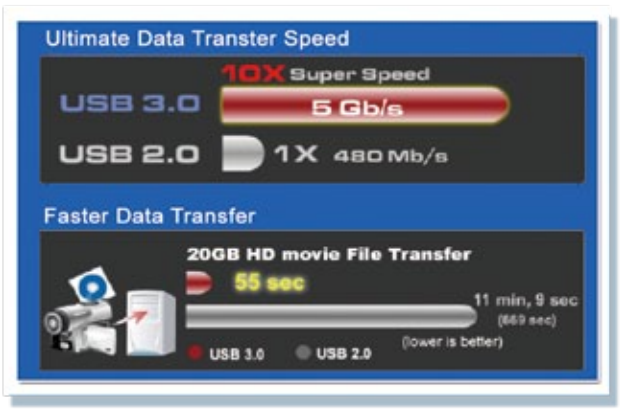
- **Graphic Performance System-Intel® Sandy Bridge Platfrom**
  Built-in H.264 / AVC-MPEG2 / VC1 full HD decorder and supports DirectX 10.1 and OpenGL 3.0

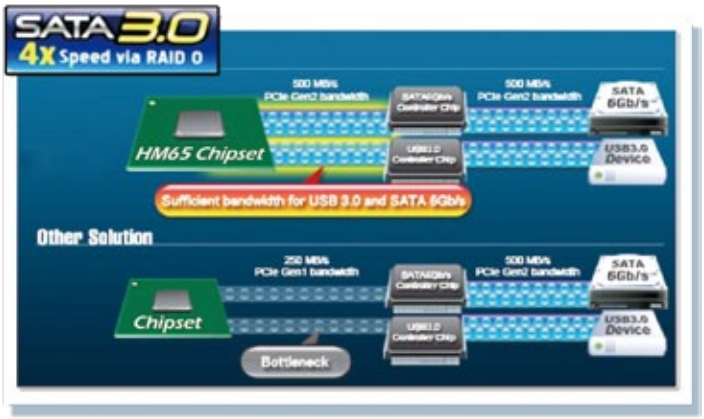
Performance	PCMark7 Benchmark Test	3DMark 2006 v1.1.0	3DMark Vantage
Intel® Core™ i7-2710QE quad core 2.1G processor and Intel® HM65	2107	3278	1562
Intel® Core™ i5-2540M dual core 2.6G processor and Intel® HM65	990	2595	841
Intel® Celeron® B810 dual core 1.6G processor and Intel® HM65	759	2041	415
Intel® Atom™ D525 1.8GHz 1MB/L2 Cache and Intel® ICH8M	665	180	N/A

N/A: 3DMark Vantage can't run on the Intel® Atom D525 platform because it requires DirectX10 support..

Super Speed USB 3.0 & SATA 6Gb/s

- Super speed USB 3.0 data transfer rates up to 10 times faster than USB 2.0
- Extra SATA 3Gb/s port doubles the SATA transfer rate to 6 Gb/s.





HDMI Port Delivers High Quality Image on a Second Display
(for HM65 model only)

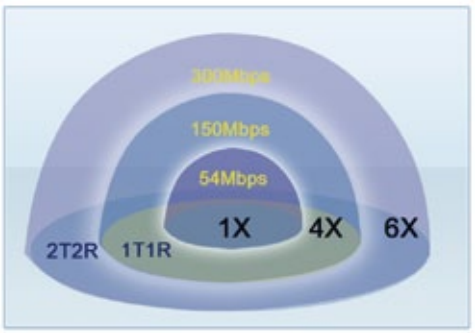
- HDMI delivers high quality image on a second display suitable for large screen applications such as digital signage.
- HDMI (High-Definition Multimedia Interface) is a compact audio/video interface for transmitting uncompressed digital data. It delivers high-definition video at 1080p resolution (1920 x 1080). It also supports industry standard EIA-861B video modes including 480p, 720p, 1080i, and 1080p.

Wi-Fi 2T2R Wireless LAN

The AFL2-12A integrates a PIFA antenna and provides 802.11n 2T2R wide bandwith wireless communication.

T: Transmitter: the number T is absolutely relative with speed, 1T up to 150Mbps, 2T up to 300Mbps

R: Receive: the number R is relative with receiving dead angle and distance. The higher R is, the wider the receiving range.



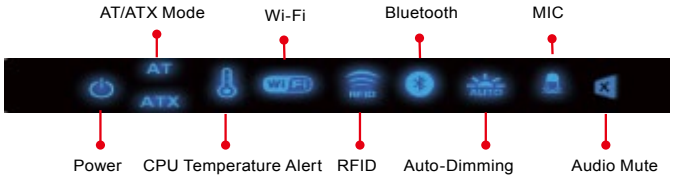
Function Keys

Function keys are shortcuts that perform commonly used functions. This is very convenient for panel PC users because no keyboard or mouse is required.

- Fn: Fn
- Backlight On/Off
- Audio -
- Audio +
- Brightness -
- Brightness +
- Fn + RFID Enable/Disable
- Fn + Audio Mute
- Fn + Camera Enable/Disable
- Fn + Front Side USB Enable/Disable
- Fn + Power On / Off

Indicators

Front panel has unique light indicator to tell users which function is enabled.



EM or Mifare Card Reader

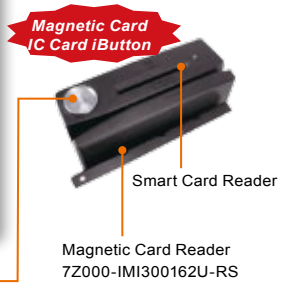
- **EM card:**
  Also called an ID card, card info is fixed and can't be re-written. Only a card reader can read the data, so security is low. EM cards can be used as staff badge cards.
- **Mifare card:**
  Also called an IC card, card info can be modified and password protected for higher security. IC cards can be used as bus passes.

Advantages:

- High Security: Each RFID tag contains an integrated chip with a Unique Permanent Identification (UID) number burned-in during the manufacturing process to make counterfeiting difficult.
- High Efficiency: Multiple tags can be read in parallel; no line of sight reading
- High Durability: Less subject to environmental damage

Optional Magnetic Stripe Card / Smart Card Reader

(1) Hybrid Card Reader



(2) Magnetic Stripe Reader

iButton:
The iButton can be used to store cash for small transactions or as an electronic asset tag to store and track information such as valuable capital equipment.

P/N	AFL2P-12AMSI-U	AFL2P-12AMSR-U
General	(1) Magnetic Card: ISO 7811, AAMVA, DMV, JIS II (2) Smart Card: ISO 7816, EMV (3) Dallas iButton	90 mm Magnetic Stripe Reader Programming: By Software Download Program Card Standard: ANSI , ISO , ABA Track Read: ISO 1,2,3 (IATA,ABA,THRIFT/MINTS), JISII100-1000mm/sec
Electrical	Voltage: DC+5V,+/-5% Reading Indicator: Beeper	Voltage: DC+5V, +/-5% Reading Indicator: Beeper
Environment	Operating Temperature: 0°C to 40°C Relative Humidity: 10% to 90 % (Non-condensing)	Operating Temperature: 0°C to 50°C Relative Humidity: 20% to 85 % (Non-condensing)
Physical	Cable: Straight 2.5ft Weight: Approx. 60g	Cable: Straight 70cm Weight: Approx. 61g
Interface	USB	USB

VESA Mounting

- Desktop Stand
- Wall Mount
- VESA Standard Multi-mounting Stand

12.1" AFOLUX GEN II Flat-bezel Panel PC

AFL2-12A-HM65

Intel® 2nd Gen Core™ i7/i5/i3 Solution New

AFL2-12A-D525

Intel® Atom™ D525 Dual Core Solution New

Features

- 12.1" 600nits 1024 x 768 flat-bezel LCD with LED backlight
- Supports projected capacitive touchscreen or 5-wire resistive type touchscreen
- Built-in two 1.5W speakers and microphone
- Dual GbE LAN for high speed network applications
- One 204-pin DDR3 SO-DIMM slot (system max. 4GB)
- Wi-Fi 802.11b/g/n 2T2R high speed wireless
- EM or Mifare RFID reader
- IP 64 compliant front panel
- Auto-dimming control
- Built-in 1.3 megapixels webcam with AF AE and AWB capabilities
- Wide range 9~36 VDC input

Specifications

	Model	AFL2-12A-D525 Fanless	AFL2-12A-HM65
LCD Specifications	Size	12.1" (4:3)	
	Resolution	1024 (W) x 768 (H)	
	Brightness (cd/m²)	600	
	Contrast Ratio	700:1	
	LCD Color	16.2 M	
	Pixel Pitch (mm)	0.240 (H) x 0.240 (V)	
	Viewing Angle (H-V)	176° / 176°	
	Backlight MTBF	50000 hrs (LED backlight)	
System	CPU	Intel® Atom™ D525 1.8GHz dual core processor	2nd Generation Intel® Core™i7/ i5/ i3 and Celeron® processor
	Chipset	Intel® ICH8M	Intel® HM65
	RAM	Support one 204-pin DDR3 SO-DIMM slot (max. 4GB)	
	Ethernet	Realtek RTL8111E PCIe GbE controller supports ASF 2.0	
	SSD	CF Type II socket	N/A
	HDD	2.5" SATA 3Gb/s SSD bay	2.5" SATA 6Gb/s SSD bay
	Input / Output	RS-232 (DB-9 connector) RS-232 (RJ-45 connector) RS-422/485 (4-pin box header) 1 x GbE LAN (RJ-45 connector) 4 x USB 2.0 Mini USB 2.0 port on front panel Audio jack (line-out) VGA port (DB-15 connector) SD card slot on front panel Power switch AT/ATX switch Reset button Clear CMOS button DC input jack	RS-232 (DB-9 connector) RS-232 (RJ-45 connector) RS-422/485 (4-pin box header) 1 x GbE LAN (RJ-45 connector) 2 x USB 2.0 2 x USB 3.0 Mini USB 2.0 port on front panel Audio jack (line-out) HDMI port SD card slot on front panel Power switch AT/ATX switch Reset button Clear CMOS button DC input jack
	Expansion Interface	1 x PCIe Mini slot for Wi-Fi 1 x PCIe Mini slot reserved	
Other Features	Audio	AMP 1.5 W + 1.5 W (internal speaker)	
	Camera	1.3 M pixels with low light function	
	RFID Reader	EM 125 KHz or Mifare 13.56 MHz card reader (optional)	
	MSR Card Reader	MSR card reader (optional)	
	OSD Function	LCD on/off, brightness up/down, volume up/down, Hot Key	
	Ambient Light Sensor	Yes	
	Infrared Remote Controller	Yes	
	Touch Screen	5-wire resistive type or projected capacitive type touch screen	
	Fan Design	Fanless	Smart fan
Wireless		1 x Wireless LAN 802.11 b/g/n 2T2R module (internal PCIe Mini card interface) (Optional, internal USB interface, Bluetooth V2.1+EDR)	
Physical	Construction Front Panel	ABS + PC Plastic	
	Mounting	Panel, Wall, Rack, Stand and Arm VESA 100 mm x 100 mm	
	Color	Black	
	Dimensions (WxHxD)(mm)	310 x 265 x 52.6	
	Weight (N/G)	3.2 kg / 5.5kg	3.8 kg / 6.1 kg
Environment	Temperature (°C)	Operation: -20°C ~ 50°C, Storage: -20°C ~ 60°C	Operation: -20°C ~ 50°C with SSD, Storage: -20°C ~ 60°C
	IP Level	IP 64 compliant front panel	
	Safety&EMC	CE / FCC	
Power	Power Supply	60W power adapter Input: 100VAC~240VAC, 50/60 Hz Output: 19VDC	90W power adapter Input: 100VAC~240VAC, 50/60Hz Output: 19VDC
	Power Requirement	9 ~ 36 VDC	
	Power Consumption	19V@2.2A (Intel® ATOM™ D525 CPU with 800MHz 2GB DDR3 memory)	19V@2.68A (Intel® Core™ i5-2510E processor with 4GB DDR3 memory)

Ordering Information

●AFL2-12A-D525

Part No.		Description
Projective Capacitive Touch Screen	AFL2-12A-D525/PC-EM/1G-R11	12.1" 600cd/m² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3 M camera, microphone,1 GB DDR3 RAM, EM card reader, Single GbE LAN, R11
	AFL2-12A-D525/PC-MF/1G-R11	12.1" 600cd/m² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3 M camera, microphone,1 GB DDR3 RAM, Mifare card reader, Single GbE LAN, R11
	AFL2-12A-D525/PC/1G-R11	12.1" 600cd/m² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3 M camera, microphone,1 GB DDR3 RAM, Single GbE LAN, R11
Resistive Touch Panel	AFL2-12A-D525/R-EM/1G-R11	12.1" 600cd/m² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, resistive touch screen, 1.3 M camera, microphone,1GB DDR3 RAM, EM card reader, Single GbE LAN, R11
	AFL2-12A-D525/R-MF/1G-R11	12.1" 600cd/m² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, resistive touch screen, 1.3 M camera, microphone,1 GB DDR3 RAM, Mifare card reader, Single GbE LAN, R11
	AFL2-12A-D525/R/1G-R11	12.1" 600cd/m² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, resistive touch screen, 1.3 M camera, microphone,1 GB DDR3 RAM, Single GbE LAN, R11

●AFL2-12A-HM65

Part No.		Description
Projective Capacitive Touch Screen	AFL2-12A-HM65/PC-EM-R11	12.1" 600cd/m² XGA panel PC, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, EM card reader, Single GbE LAN, R11
	AFL2-12A-HM65/PC-MF-R11	12.1" 600cd/m² XGA panel PC, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, Mifare card reader, Single GbE LAN, R11
	AFL2-12A-HM65/PC-R11	12.1" 600cd/m² XGA panel PC, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, Single GbE LAN, R11
Resistive Touch Screen	AFL2-12A-HM65/R-EM-R11	12.1" 600cd/m² XGA panel PC, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera,microphone, EM card reader, Single GbE LAN, R11
	AFL2-12A-HM65/R-MF-R11	12.1" 600cd/m² XGA panel PC, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, Mifare card reader, Single GbE LAN, R11
	AFL2-12A-HM65/R-R11	12.1" 600cd/m² XGA panel PC, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, Single GbE LAN, R11
CPU Selection	CPU-MB-i7-2640M	2nd Generation Intel® Core™ i7 Processor [Mobile], PPGA-988, dual core 2.8GHz, 35W, iAMT
	CPU-MB-i5-2510E	2nd Generation Intel® Core™ i5 Processor [Mobile], PPGA-988, dual core 2.5GHz, 35W, iAMT
	CPU-MB-i3-2310M	2nd Generation Intel® Core™ i3 Processor [Mobile], PPGA-988, dual core 2.1GHz, 35W
	CPU-MB-CM-B810	Intel® Celeron® Mobile Processor, PPGA-988,dual core 1.6GHz, 35 W
	CPU-MB-CM-B710	Intel® Celeron® Mobile Processor, PPGA-988,single core 1.6GHz, 35 W
Memory Selection	DDR3-SO-1333-1GB	SO-DIMM DDR3 1333MHz 1GB
	DDR3-SO-1333-2GB	SO-DIMM DDR3 1333MHz 2GB
	DDR3-SO-1333-4GB	SO-DIMM DDR3 1333MHz 4GB

Options

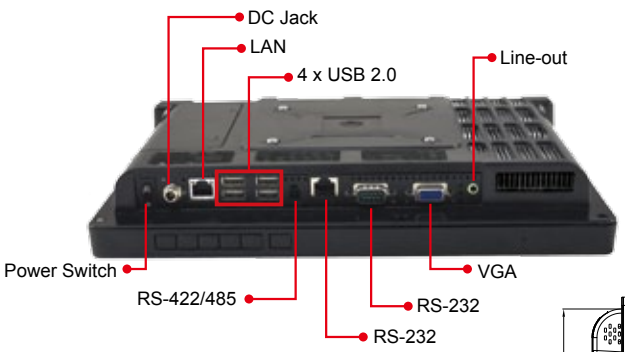
Item	AFL2-12A-D525	AFL2-12A-HM65
Panel Mounting Kit	AFLPK-15	
Wall Mounting Kit	AFLWK-19/AFLWK-19B	
Rack Mounting Kit	AFL2RK-12	
ARM	ARM-11-RS	
Stand	STAND-A12/ STAND-A19/ STAND-B19/ STAND-C19/ STAND-210-R11	
V-Stand	VSTAND-A12	
Hybrid Card Reader Kit	AFL2P-12AMSI-U-R10	
Bluetooth Module Kit	AFL2-BT-KIT01-R10	
Magnetic Stripe Reader Kit	AFL2P-12AMSR-U-R10	
OS: Win CE 6.0 (128MB CF Card)	AFL2CF-12-D525-CE060-128M-R10	AFL2-12A-HM65-CE060-R10*
OS: Win XPE (2GB CF Card)	AFL2CF-12-D525-XPE-2G-R10	AFL2-12A-HM65-XPE-R10*
OS: Win XPE (4GB CF Card)	AFL2CF-12-D525-XPE-4G-R10	AFL2-12A-HM65-XPE-R10*
OS: Linux (2GB CF Card)	AFL2CF-12-D525-LNX-2G-R10	AFL2-12A-HM65-LNX-R10*
OS: Win 7 Embedded (4GB CF Card)	AFL2CF-12-D525-WES7P-4G-R10 AFL2CF-12-D525-WES7E-4G-R10	AFL2-12A-HM65-WES7P-R10* AFL2-12A-HM65-WES7E-R10*

*OS image with CD-ROM or DVD-ROM

Packing List

Item	P/N	Q'ty	Description
Utility CD		1	Drivers and user manual
One Key Recovery CD		1	
Power Adapter	63040-010065-010-RS (for AFL2-12A-D525) 63040-010090-030-RS (for AFL2-12A-HM65)	1	FSP065-RAB;90~264VAC input ; 65W ;19VDC output FSP090-D2BA1;90~264VAC input ; 90W ;19VDC output
Power Cord	32702-000401-100-RS	1	1500 mm, European Standard
Power Transfer Cord	32702-000300-100-RS	1	
M3 Screw Pack	44013-030041-RS	4	M3*4 for securing HDD
M4 Screw Pack	44403-040061-RS	4	M4*4 VESA screw
Touch Pen	43125-0002C0-00-RS	1	
RJ-45 to DB-9 COM Port Cable	32005-000200-200-RS	1	
IR Remote Controller	7Z000-SLPCB005-RS	1	
RS-422 Cable	32205-002400-100-RS	1	

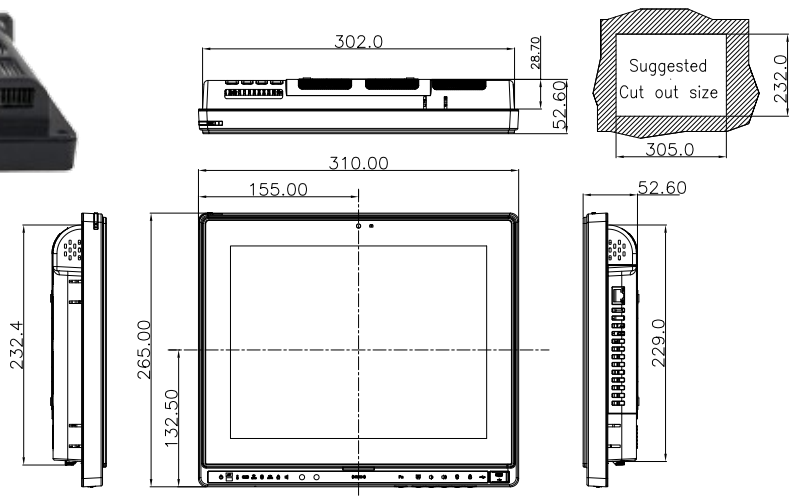
Fully Integrated I/O



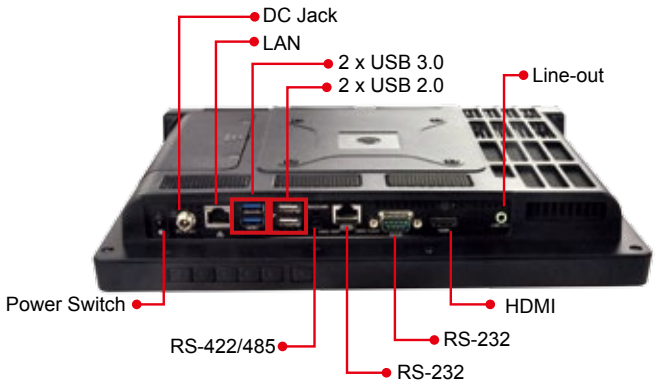
AFL2-12A-D525

AFL2-12A-D525 Dimensions

(Unit: mm)



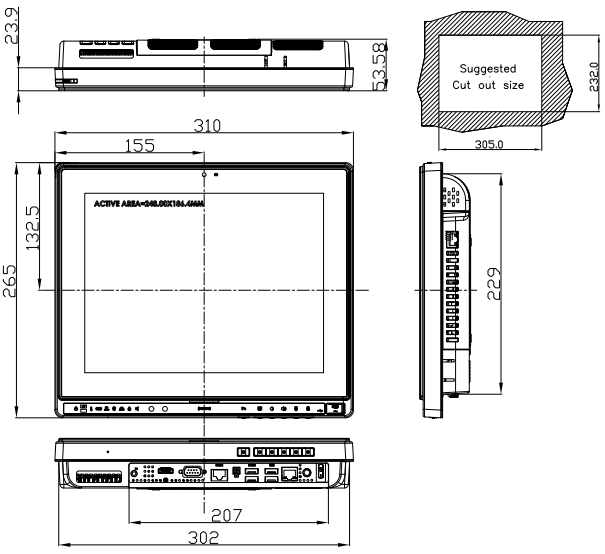
Fully Integrated I/O



AFL2-12A-HM65

AFL2-12A-HM65 Dimensions

(Unit: mm)



AFL2-15A-H61

Intel® 2nd Gen Core™ i7/i5/i3 Solution

AFL2-W15B-H61

Intel® 2nd Gen Core™ i7/i5/i3 Solution

AFL2-15A-H61

Features

- Flat-bezel LCD with LED backlight
- 2nd Generation Intel® Core™ i7/ i5/ i3, Pentium® and Celeron® processor
- Two 204-pin DDR3 SO-DIMM slot (system max. 16GB) preinstalled with 4GB (2GB x 2)
- Projected capacitive touchscreen and 5-wire resistive type touchscreen supported
- Wi-Fi 802.11b/g/n 2T2R high speed wireless
- EM or Mifare RFID reader
- Built-in 1.3-megapixel webcam with AF, AE and AWB capabilities
- Built-in two 2W speakers and microphone
- IP64 compliant front panel
- Auto dimming control
- Light fanless technology design
- K-type thermalcouple temperature sensor
- Wide range 9~36 VDC input

Specifications

	Model	AFL2-15A-H61	AFL2-W15B-H61
LCD Specifications	Size	15″ (4:3)	15.6″ (16:9)
	Resolution	1024 (W) x 768 (H)	1366 (W) x 768 (H)
	Brightness (cd/m²)	400	300
	Contrast Ratio	700:1	500:1
	LCD Color	262K/16.2M	16.7M
	Pixel Pitch (mm)	0.297 (H) x 0.297 (V)	0.252 (H) x 0.252 (V)
	Viewing Angle (H-V)	160° / 140°	170° / 160°
	Backlight MTBF	50,000 hrs (LED backlight)	50,000 hrs (LED backlight)
System	CPU	2nd Generation Intel® Core™ i7/ i5/ i3, Pentium® and Celeron® processor	
	Chipset	Intel® H61	
	RAM	Support two 204-pin DDR3 SO-DIMM slot (system max. 16GB) preinstalled with 4GB (2GB x 2)	
	Ethernet	Realtek RTL8111E PCIe GbE controller supports ASF 2.0	
	SSD	CF Type II socket	
	HDD	2.5" SATA 3Gb/s HDD bay	
	Input / Output	2 x RS-232 (DB-9 connector) GbE LAN (RJ-45 connector) on left side RS-422/485 (RJ-45 connector) 3 x USB 2.0 (two on the bottom, one on the left) 2 x USB 3.0 1 x Mini USB port on front panel 1 x Micro SD card slot on front panel Line out, MIC on left side VGA port HDMI port Power switch AT/ATX switch Reset button Clear CMOS button 9 ~ 36V DC jack	
	Expansion Interface	1 x PCIe Mini slot for Wi-Fi 1 x PCIe Mini slot reserved	
Other Features	Audio	AMP 2W + 2W (internal speaker)	
	Camera	1.3 megapixels with low light function	
	RFID Reader	EM 125 KHz or Mifare 13.56 MHz card reader (optional)	
	MSR Card Reader	MSR card reader (optional)	
	OSD Function	LCD on/off, brightness up/down, volume up/down, Hot Key	
	Ambient Light Sensor	Yes	
	Infrared Remote Controller	Yes	
	Touch Screen	5-wire resistive type or projected capacitive type touch screen	
	LED Light Bar	N/A	
	System Cooling	Light fanless (smart fan operates above default temperature setting)	
Wireless		1 x Wireless LAN 802.11 b/g/n module (internal PCIe Mini card interface) (Optional, internal USB interface, Bluebooth V2.0+EDR)	
Physical	Construction Front Panel	PC + ABS Plastic	
	Mounting	Wall, Stand, Arm VESA 100mm x 100mm	Panel, Wall, Rack, Stand, Arm VESA 100mm x 100mm
	Color	Black	
	Dimensions (WxHxD)(mm)	363.2 x 305.1 x 58.8	399.4 x 271.2 x 58.8
	Weight (N/G)	5.2 kg / 7.3 kg	4.5 kg / 6.5 Kg
Environment	Operating Temperature (°C) (Ambient with air flow)	-20°C ~ 50°C	
	Storage Temperature (°C)	-20°C ~ 60°C	
	Humidity	10% to 95% (non-condensing)	
	IP Level	IP 64 compliant front panel	
	Safety&EMC	CE / FCC	
Power	Power Supply	90W power adapter Input:100 V AC ~ 240 V AC, 50 / 60Hz, Output: 19 V DC	
	Power Requirement	9 ~ 36 VDC	
	Power Consumption	19V@3.42A (Intel® Core™ i3-2100T CPU with 4GB 1333 Mhz DDR3 memory)	19V@3.95A (Intel® Core™ i3-2120 CPU with 4GB 1333 Mhz DDR3 memory)

Ordering Information

AFL2-15A-H61

Part No.			Description
Core i5	Resistive Touch	AFL2-15A-H61-i5/R-R10	15" 400cd/m² XGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen,1.3M camera, microphone, R10
		AFL2-15A-H61-i5/R-EM-R10	15" 400cd/m² XGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen,1.3M camera, microphone, EM card reader, R10
		AFL2-15A-H61-i5/R-MF-R10	15" 400cd/m² XGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen,1.3M camera, microphone, MF card reader, R10
	Projected Capacitive Touch	AFL2-15A-H61-i5/PC-R10	15" 400cd/m² XGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, R10
		AFL2-15A-H61-i5/PC-EM-R10	15" 400cd/m² XGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, EM card reader, R10
		AFL2-15A-H61-i5/PC-MF-R10	15" 400cd/m² XGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, MF card reader, R10
Core i3	Resistive Touch	AFL2-15A-H61-i3/R-R10	15" 400cd/m² XGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen,1.3M camera, microphone, R10
		AFL2-15A-H61-i3/R-EM-R10	15" 400cd/m² XGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen,1.3M camera, microphone, EM card reader, R10
		AFL2-15A-H61-i3/R-MF-R10	15" 400cd/m² XGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen,1.3M camera, microphone, MF card reader, R10
	Projected Capacitive Touch	AFL2-15A-H61-i3/PC-R10	15" 400cd/m² XGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, R10
		AFL2-15A-H61-i3/PC-EM-R10	15" 400cd/m² XGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, EM card reader, R10
		AFL2-15A-H61-i3/PC-MF-R10	15" 400cd/m² XGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, MF card reader, R10
Pentium	Resistive Touch	AFL2-15A-H61-P/R-R10	15" 400cd/m² XGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen,1.3M camera, microphone, R10
		AFL2-15A-H61-P/R-EM-R10	15" 400cd/m² XGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen,1.3M camera, microphone, EM card reader, R10
		AFL2-15A-H61-P/R-MF-R10	15" 400cd/m² XGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen,1.3M camera, microphone, MF card reader, R10
	Projected Capacitive Touch	AFL2-15A-H61-P/PC-R10	15" 400cd/m² XGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, R10
		AFL2-15A-H61-P/PC-EM-R10	15" 400cd/m² XGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, EM card reader, R10
		AFL2-15A-H61-P/PC-MF-R10	15" 400cd/m² XGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, MF card reader, R10

AFL2-W15B-H61

Part No.			Description
Core i5	Resistive Touch	AFL2-W15B-H61-i5/R-R10	15.6" 300cd/m² HD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-W15B-H61-i5/R-EM-R10	15.6" 300cd/m² HD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W15B-H61-i5/R-MF-R10	15.6" 300cd/m² HD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
	Projected Capacitive Touch	AFL2-W15B-H61-i5/PC-R10	15.6" 300cd/m² HD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, R10
		AFL2-W15B-H61-i5/PC-EM-R10	15.6" 300cd/m² HD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, EM card reader, R10
		AFL2-W15B-H61-i5/PC-MF-R10	15.6" 300cd/m² HD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, MF card reader, R10
Core i3	Resistive Touch	AFL2-W15B-H61-i3/R-R10	15.6" 300cd/m² HD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-W15B-H61-i3/R-EM-R10	15.6" 300cd/m² HD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W15B-H61-i3/R-MF-R10	15.6" 300cd/m² HD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
	Projected Capacitive Touch	AFL2-W15B-H61-i3/PC-R10	15.6" 300cd/m² HD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, R10
		AFL2-W15B-H61-i3/PC-EM-R10	15.6" 300cd/m² HD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, EM card reader, R10
		AFL2-W15B-H61-i3/PC-MF-R10	15.6" 300cd/m² HD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, MF card reader, R10
Pentium	Resistive Touch	AFL2-W15B-H61-P/R-R10	15.6" 300cd/m² HD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-W15B-H61-P/R-EM-R10	15.6" 300cd/m² HD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W15B-H61-P/R-MF-R10	15.6" 300cd/m² HD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
	Projected Capacitive Touch	AFL2-W15B-H61-P/PC-R10	15.6" 300cd/m² HD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, R10
		AFL2-W15B-H61-P/PC-EM-R10	15.6" 300cd/m² HD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, EM card reader, R10
		AFL2-W15B-H61-P/PC-MF-R10	15.6" 300cd/m² HD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen,1.3M camera, microphone, MF card reader, R10

Options

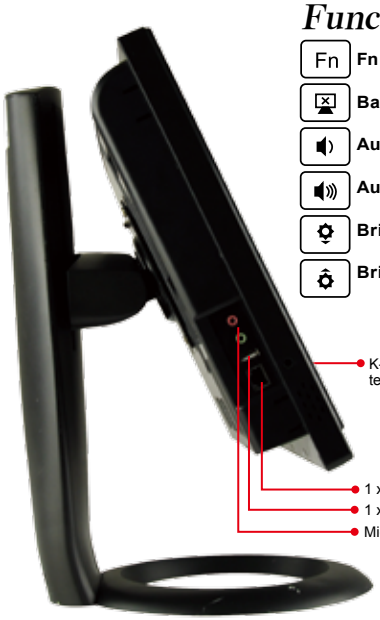
Item	AFL2-15A-H61	AFL2-W15B-H61
Panel Mounting Kit	N/A	AFL2PK-W15B
Wall Mounting Kit	AFLWK-19/AFLWK-19B	
Rack Mounting Kit	N/A	AFL2RK-W15B
Arm	ARM-11-RS/ARM-31-RS	
Stand	STAND-A19/ STAND-B19/ STAND-C19/ STAND-210-R11	
Hybrid Card Reader	AFL2P-12AMSI-U-R10	
Magnetic Stripe Reader	AFL2P-12AMSR-U-R10	
Bluetooth Module Kit	AFL2-BT-KIT01-R11	
OS: Win CE 6.0 (128MB CF Card)	AFL2CF-15A-H61-CE060-128M-R10	
OS: Win XPE (2GB CF Card)	AFL2CF-15A-H61-XPE-2G-R10	
OS: Win XPE (4GB CF Card)	AFL2CF-15A-H61-XPE-4G-R10	
OS: Linux (2GB CF Card)	AFL2CF-15A-H61-LNX-2G-R10	
OS: Win 7 Embedded (4GB CF Card)	AFL2CF-15A-H61-WES7P-4G-R10 (for Projected Capacitive Touch) AFL2CF-15A-H61-WES7E-4G-R10 (for Resistive Touch)	

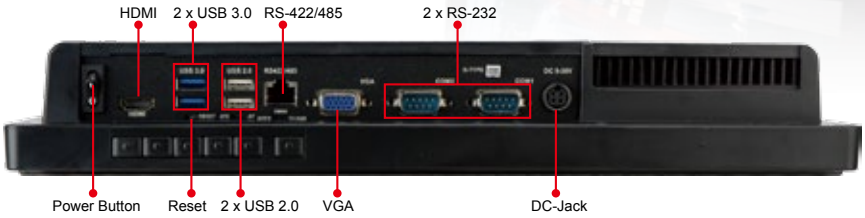
Packing List

Item	P/N	Q'ty	Description
Utility CD		1	drivers and user manual
One Key Recovery CD		1	
Power Adapter	63040-010090-020-RS	1	FSP090-D2BA1; 90~264VAC input; 90W; 19VDC output
Power Cord	32702-000401-100-RS	1	European, 1500mm
Power Transfer Cord	32702-000300-100-RS	1	
RJ-45 to DB-9 COM Port Cable	32005-000200-200-RS	1	
IR Remote Controller	7Z000-SLPCB005-RS	1	
M3 Screw Pack	44013-030041-RS	4	M3 x 4 for securing HDD
M4 Screw Pack	44033-040061-RS	4	M4 x 4 for VESA screw
Temperature Sensor Cable	32133-004300-100-RS	1	
Pen	43125-0002C0-00-RS	1	For Resistive Touch

Function Keys

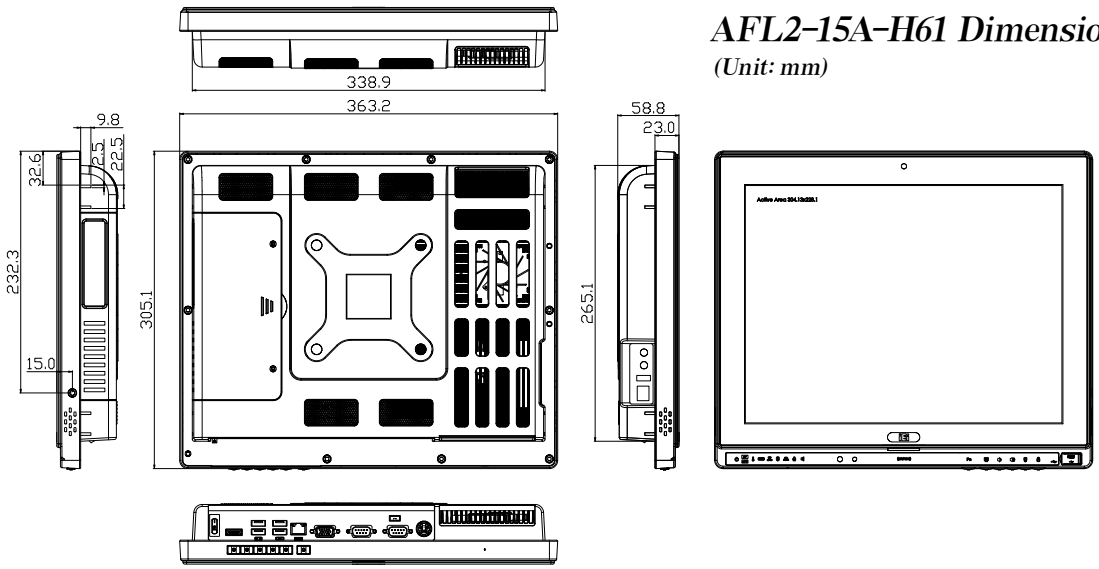
Fn	Fn		
	Backlight On/Off	Fn +	RFID enable / disable
	Audio -	Fn +	Audio mute
	Audio +	Fn +	Camera enable / disable
	Brightness -	Fn +	Right side USB enable / disable
	Brightness +	Fn +	Power on / off





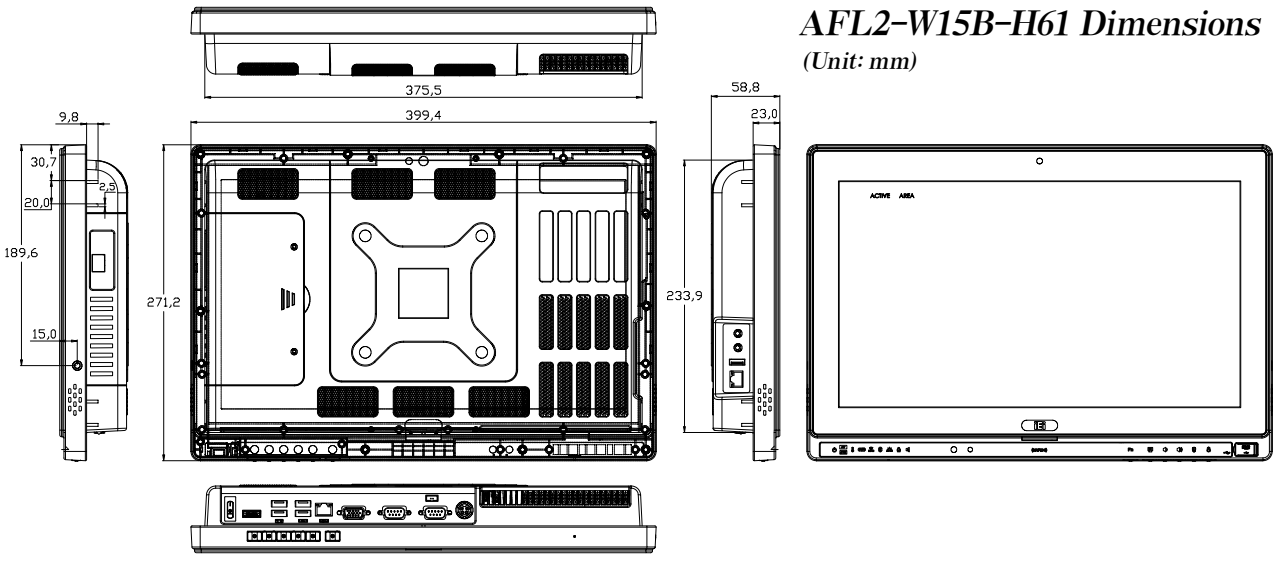
AFL2-15A-H61 Dimensions

(Unit: mm)



AFL2-W15B-H61 Dimensions

(Unit: mm)



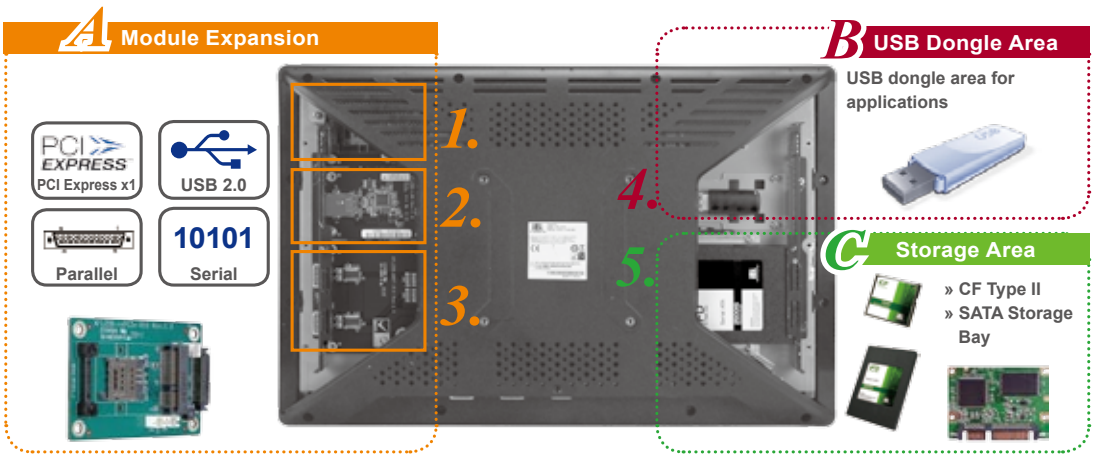
AFL2-W15A-N270 ■ Intel® Atom™ Solution
AFL2-W15A-L325 ■ AMD 780E Solution

15.6" Wide Modular Expansion Panel PC

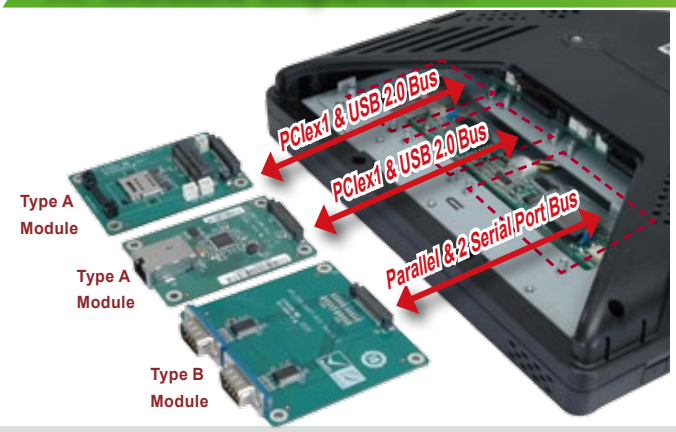
IEI designed a completely new modular architecture for its new AFOLUX GEN II Panel PCs. A variety of expansion module boards connecting through a common interface give it functional versatility. The AFOLUX GEN II serves diverse applications and is especially suited for self-service and interactive environments.

5-in-1 Rich Expansion

The guiding principle behind the AFOLUX GEN II is the ability to add expansion modules to the system mainboard facilitating simple expansion for system storage, PCI Express, parallel, serial and USB interface functions.



A. Module Expansion



Rear Left Side View

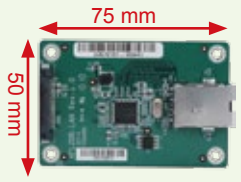
(For AFL2-W15A-L325)

1. Easy to install function modules
2. Small form factor function modules save warehouse space
3. Faster distribution to your customers
4. Customizable I/O bracket to fit different module board connectors

Semi-off holes for one LAN port and two COM ports

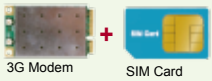
Optional Modules

Type A Module



- **AFL2DB-MPCIE-R10**

PCIe Mini Card Carrying Module



- **AFL2DB-LAN-R10**

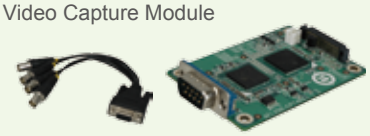
Gigabit Ethernet Module

- **AFL2DB-USB3-R10**

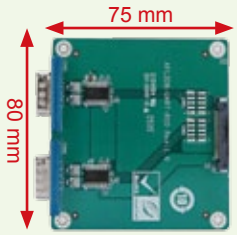
USB 3.0 Module

- **AFL2DB-CPT4-R10**

4-Channel Video Capture Module



Type B Module



- **AFL2DB-UART-R10**

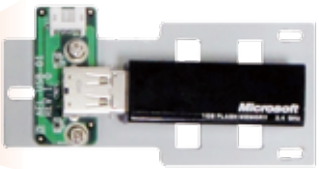
Serial Expansion Module

Function	Interface	IEI Module Board	Type
HSUPA 3.5G connection	PCIe Mini card	AFL2DB-MPCIE-R10 + Optional 3.5G modem card	A
DVBT/ATSC or hybrid TV tuner	PCIe Mini card	AFL2DB-MPCIE-R10 + Optional TV tuner card	A
Ethernet	PCIe x1	AFL2DB-LAN-R10	A
USB 3.0	PCIe x1	AFL2DB-USB3-R10	A
Video capture card (4 port)	PCIe x1	AFL2DB-CPT4-R10	A
Serial port	2 x Serial	AFL2DB-UART-R10	B

B. Universal USB Dongle Space

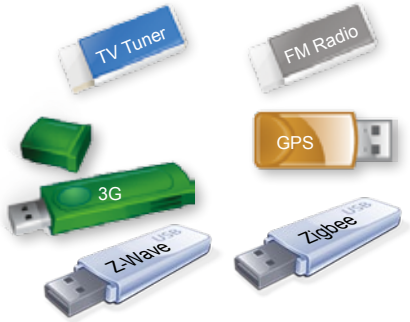
Rear Right Side View

Customizable I/O bracket to fit diverse USB dongle expansions



Changeable bracket to support different sizes of USB dongles

Reserved internal USB slot allows fast deployment of diverse USB dongles.



AFL2-W15A-N270

* AFL2-W15A-L325 without USB dongle space

C. Storage Area

Rear Right Side View

Reliable Anti-Vibration SSD

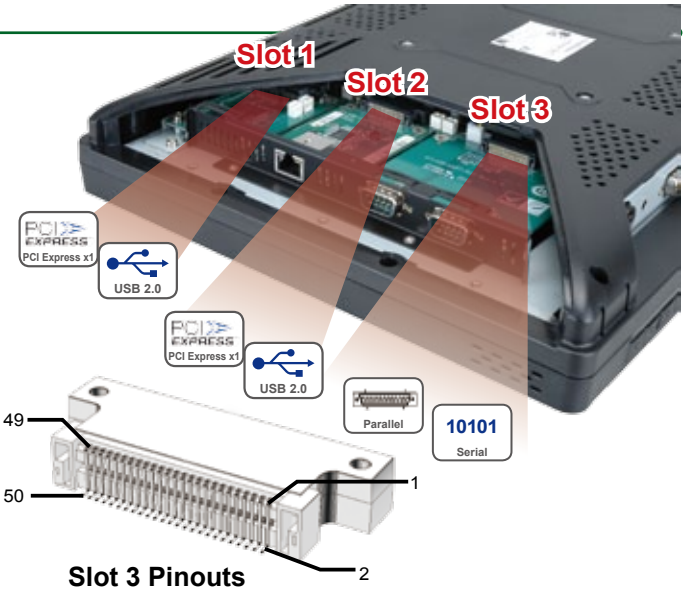
2.5" SATA SSD
- Vibration: 20 G (7~2000 MHz)
- Shock: 1500 G / 0.5 ms

SATA SSD Module
- Capacity: 8 GB ~ 32 GB
- Data Transfer Rate: Up to 90 / 30 MB
- Power Supply: 5 V
- Power Consumption: <250 / 150 mA

IEI Expansion System Concept

Features:

- Reliable board-to-board connection
- IEI's self-defined module interface reduces synchronization between function and system



Standard Connector Type: Easy to Design Expansion Module

The AFOLUX GEN II motherboard utilizes a 50-pin card-edge connector to connect the expansion module.

Connector Type: JAE KX15-50KLD* or equivalent

Slot 1 and 2 Pinouts

Table 1: PCIe x 1 and USB Interface Signals

Pin	Signal	Pin	Signal
1	GND	2	GND
3	PETP1	4	PERP1
5	PETN1	6	PERN1
7	GND	8	GND
9	SMBCLK	10	CLK_PCIE_LAN2
11	SMBDATA	12	CLK_PCIE_LAN2#
13	GND	14	GND
15	PCIE_WAKE#	16	PCIRST#1
17	GND	18	GND
19	GND	20	USBD+
21	GND	22	USBD-
23	GND	24	GND
25	GND	26	GND
27	+1.5V_PCI	28	GND
29	+1.5V_PCI	30	VCC3_PCI
31	+1.5V_PCI	32	GND
33	GND	34	VCC3_PCI
35	GND	36	GND
37	VCC3	38	VCC3_PCI
39	VCC3	40	GND
41	GND	42	GND
43	GND	44	VCC5_PCI
45	GND	46	VCC5_PCI
47	VCC12_PCI (Reserved)	48	GND
49	VCC12_PCI (Reserved)	50	GND

*pin 27, 29, 31: +1.5v -> max 2.1A

*pin 30, 32, 38 : +3.3v -> max 2.1A

*pin 44, 46 : +5v -> max 1.4A

*pin 37, 39: +3.3v dual -> max 1.4A

*pin 20, 22: not supported on slot 2 of AFL2-W15A-L325

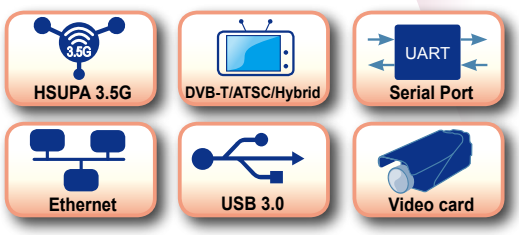
Slot 3 Pinouts

Table 2: Parallel and Serial Port Interface Signals

Pin	Signal	Pin	Signal	
1	DCD-5	2	DSR-5	Two serial ports
3	RXD-5	4	RTS-5	
5	TXD-5	6	CTS-5	
7	DTR-5	8	RI-5	
9	GND	10	GND	
11	GND	12	GND	
13	DCD-6	14	DSR-6	
15	RXD-6	16	RTS-6	
17	TXD-6	18	CTS-6	
19	DTR-6	20	RI-6	
21	GND	22	GND	
23	GND	24	GND	
25	PD7	26	PD6	One parallel port
27	PD5	28	PD4	
29	PD3	30	PD2	
31	PD1	32	PD0	
33	-STB	34	-AFD	
35	-ERR	36	-INIT	
37	-SLIN	38	-ACK	
39	BUSY	40	PE	
41	SLCT	42	GND	
43	GND	44	GND	
45	VCC5	46	VCC12	
47	VCC5	48	VCC12	
49	VCC5	50	VCC12	

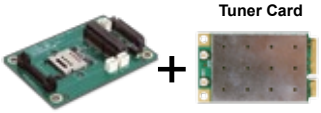
Applications

Use one system in different markets!



Digital TV

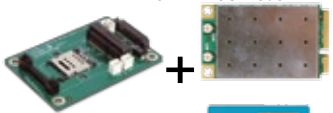
AFL2DB-MPCIE-R10 + PCIe Mini TV Tuner Card



Kiosk System

3G/3.75G

AFL2DB-MPCIE-R10 + 3G Modem



SIM Card

Mobile Broadcasting System

4-Port Video Capture

AFL2DB-CPT4-R10

Surveillance System

Diverse Performance Options

● Reliable Fanless System-Intel® Atom™ Platform *Fanless*

High performance Intel® Atom™ CPU with low power consumption runs fast and stable for long-term usage.

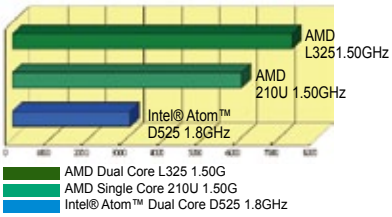
● Graphic Performance System-AMD 780E Platform

- Built-in MPEG2/H.264/AVC Full HD Decoder
- HDMI delivers High Image Quality on the Second Display

The AFL-W15A-780E series has a High-Definition Multimedia Interface (HDMI) port for second display. HDMI is a compact audio/video interface for transmitting uncompressed digital data. It delivers high-definition video at 1080p resolution (1920x1080). It also supports industry standard EIA-861B video modes including 480p, 720p, 1080i, and 1080p.

Performance	CPU	Memory	3D - Passmark Performance Test	3D - 3DMark 2006 v1.1.0	3DMark 2001 SE
Intel® Atom™ N270 1.60GHz / 533MHz 512K/L2 Cache	254.2	228.1	83.7	109	2783
Intel® Atom™ D525 1.8GHz 1MB/L2 Cache	725.5	244.7	123.4	121	3089
AMD Sempron Processor 210U 1.50GHz (on board)	311.6	265.3	87.2	723	6020
AMD Athlon Neo X2 Dual Core L325 1.50GB (on board)	613.9	235.2	92.1	882	7347

3DMark Performance comparison


AMD L3251.50GHz
AMD 210U 1.50GHz
Intel® Atom™ D525 1.8GHz
AMD Dual Core L325 1.50G
AMD Single Core 210U 1.50G
Intel® Atom™ Dual Core D525 1.8GHz

Impeccable and Convenient Projected Capacitive Touch Panel

● 6H surface "harder than steel"

The hardness of the capacitive touch panel is 6H, which is harder than resistive touch panel (3H) and steel (4.5H). It stands scratches and damages to ensure seamless function.

● Glove friendly

The standard capacitive touch panel surface can not be operated by users wearing gloves, however, users can still use medical glove to control projected capacitive panels.

● 85% transparency

Comparing to 80% transparency rate of resistive touch panel, projected capacitive touch panel outperforms by 85%, providing more distinct view.

Comparison between different touch panels			
Model	AFL2-W15A-N270/PC	AFL2-W15A-N270/R	AFL-W15A-N270/R
Type of Touch	Projected capacitive type	Resistive type 5-wire touch	Resistive type 5-wire touch
Touch Function	**Multi-touch** WIN!	Single-touch	Single-touch
Transparency	**85%** WIN!	80%	78%
Hardness	**≥6H** WIN!	≥3H	≥3H
Input Flexibility	**Hand/ glove/ stylus** WIN!	Hand/ glove/ stylus	Hand/ glove/ stylus
Accuracy	Low	High	High
Sensitivity	**High** WIN!	Low	Low
Reliability	**High** WIN!	Low	Low
Durability	**High** WIN!	Low	Low
Operation Temperature	-20°C ~ +70°C	-20°C ~ +70°C	-10°C ~ +70°C
Storage Temperature	-20°C ~ +70°C	-20°C ~ +70°C	-40°C ~ +80°C

● Multi-touch support

Projected capacitive touch panel supports Windows 7 multi-touch function, which enriches user experience.

Gaming

Medical Images

Navigation

Restaurant E-Menu

15.6" Wide Modular Expansion Panel PC

AFL2-W15A-N270

Intel® Atom™ Solution

AFL2-W15A-L325

AMD 780E Solution

Features

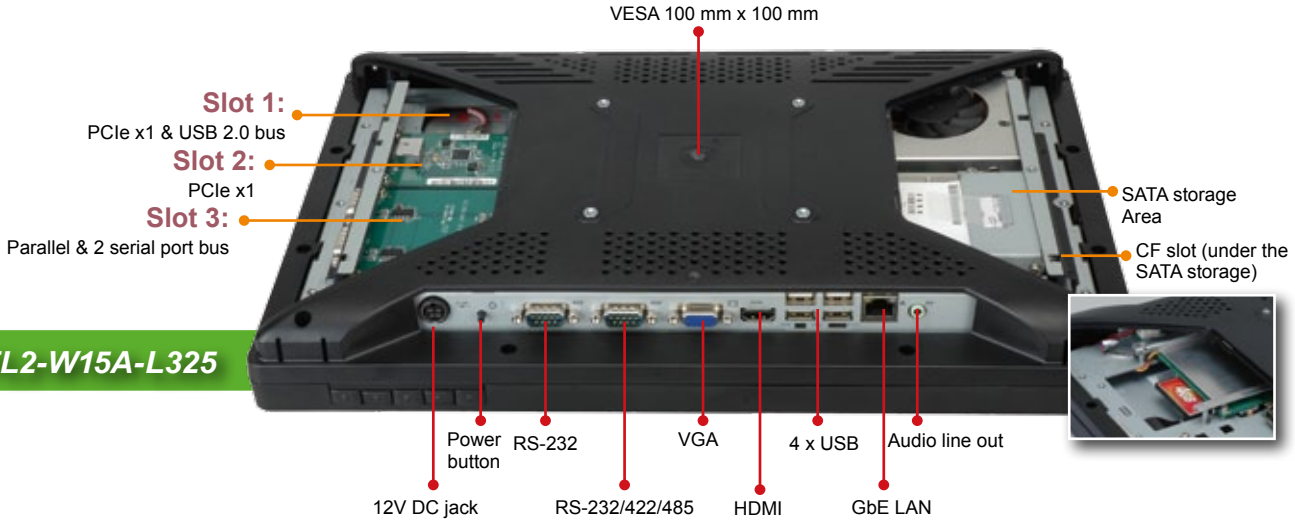
- 15.6” 1366 x 768 projected capacitive multi-touch screen
- Flat-bezel front panel
- Diverse expansion modules for flexible expansion
- Integrated EM or Mifare RFID reader
- Gigabit Ethernet, Wi-Fi 802.11 b/g/n
- IP 64 compliant front panel

Specifications

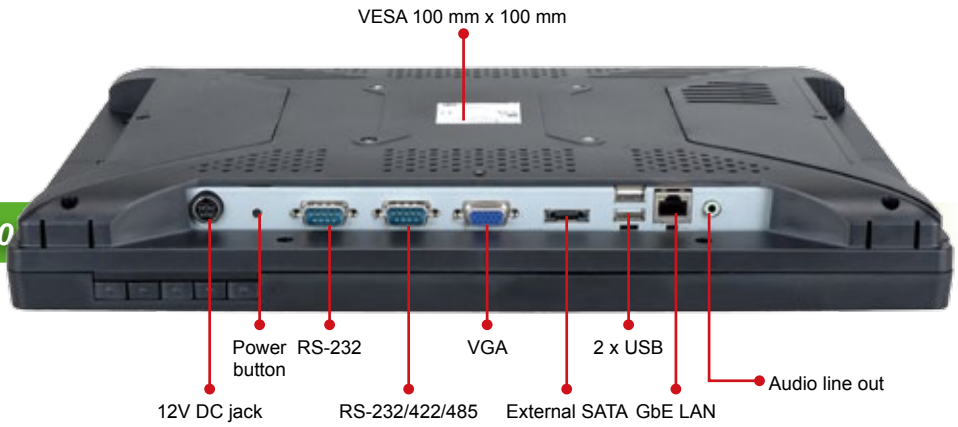
Modular Expansion

	Model	AFL2-W15A-N270	AFL2-W15A-L325
LCD Specifications	Size	Wide 15.6” TFT LCD	
	Resolution	1366 x 768	
	Brightness	250 cd/m²	
	Contrast Ratio	500:1	
	LCD Color	16.2 M	
	Pixel Pitch (mm)	0.252 (H) x 0.252 (V)	
	Viewing Angle (H-V)	110° (H) / 85° (V)	
	Backlight MTBF	50000 hrs (LED backlight)	
System	CPU	Intel® Atom™ processor N270 1.6 GHz CPU	AMD ASB1 L325 dual core 1.5 GHz CPU
	Chipset	Intel® 945GSE + ICH7M	AMD 780E + SB710
	RAM	Support one 400 MHz or 533 MHz DDR2 SO-DIMM (2 GB max.)	Support two 400 MHz or 533 MHz DDR2 SO-DIMM (4 GB max.)
	SSD	CF Type II	CF Type II
	HDD	1 x 2.5” SATA HDD Bay	1 x 2.5” SATA HDD Bay
	Watchdog Timer	Software programmable supports 1~255 sec. system reset	Software programmable supports 1~255 sec. system reset
	Input / Output	1 x RS-232 COM port 1 x RS-232/422/485 COM port 1 x RJ-45 for GbE LAN 2 x USB 2.0 1 x Power switch 1 x Reset button 1 x Audio port (Line out) 1 x VGA 1 x Power jack 1 x External SATA 1 x 8-bit digital I/O, 4-bit input/4-bit output (optional)	1 x RS-232 COM port 1 x RS-232/422/485 COM port 1 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power switch 1 x Reset button 1 x Audio port (Line out) 1 x VGA 1 x Power jack 1 x HDMI 1 x 8-bit digital I/O, 4-bit input/4-bit output (optional)
	Expansion Interface	N/A	2 x PCIe x1, 1 x Parallel port expansion, 2 x Serial port expansion * USB signal not supported on slot 2
Other Features	Audio	AMP 1.5 W + 1.5 W (internal speaker)	
	Camera	1.3 M pixels with low light function	
	RFID Reader	EM 125 KHz or Mifare 13.56 MHz card reader (optional)	
	OSD Function	LCD on/off, brightness up/down, volume up/down	
	Ambient Light Sensor	Yes	
	Infrared Remote Controller	LCD on/off, brightness up/down, volume up/down	
	Touch Screen	Projected capacitive type flat touch screen/ Resistive type 5-wire flat touch screen	
Wireless		1 x Wireless LAN 802.11 b/g/n module (internal PCIe Mini card interface)	
Physical	Construction Front Panel	ABS + PC plastic front frame	
	Mounting	VESA 100 mm x 100 mm	
	Color	Black C	
	Dimensions (mm)	400 (W) x 267 (H) x 54 (D)	
	Weight (N/G)	3.8 kg	
Environment	Temperature (°C)	Operation: -10°C ~ 50°C, Storage: -20°C ~ 60°C	
	IP Level	IP 64 compliant front panel	
	Safety & EMI	CE / FCC	
Power	Power Supply	60W power adapter Input: 90VAC~264VAC, 50/60 Hz Output: 12VDC	84W power adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC
	Power Requirement	12VDC	12VDC
	Power Consumption	12V@4.25A (Intel® ATOM™ N270 CPU with 667MHz 2GB DDR2 memory)	12V@5.67A (AMD® ASB1 L325 CPU with 667MHz 2GB DDR2 memory)

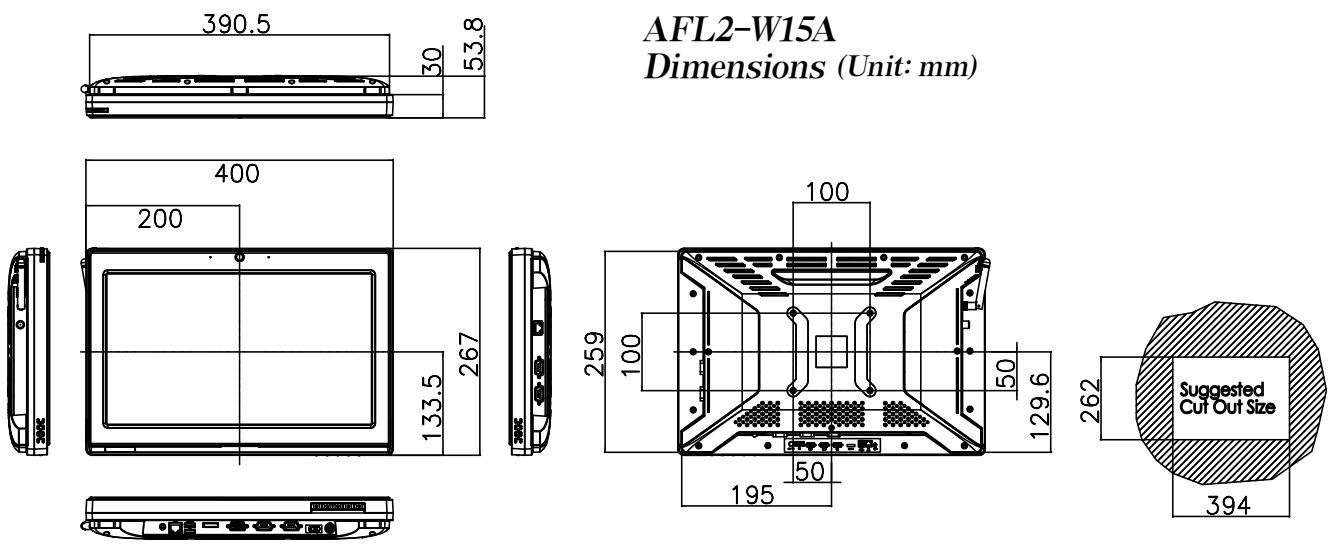
AFL2-W15A-L325



AFL2-W15A-N270



AFL2-W15A Dimensions (Unit: mm)



Ordering Information

Resistive Type Touch		
Intel® Atom™	AFL2-W15A-N270/R/1G-R12	15.6" 250cd/m² WXGA+ fanless panel PC with Intel® Atom™ N270 1.6 GHz, 802.11b/g/n wireless module, resistive touch screen, 1.3 M camera, microphone, 1GB DDR2 RAM, without expansion, R12
	AFL2-W15A-N270/R-EM/1G-R12	15.6" 250cd/m² WXGA+ fanless panel PC with Intel® Atom™ N270 1.6 GHz, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, 1GB DDR2 RAM, EM card reader, without expansion, R12
	AFL2-W15A-N270/R-MF/1G-R12	15.6" 250cd/m² WXGA+ fanless panel PC with Intel® Atom™ N270 1.6 GHz, 802.11b/g/n wireless module, resistive touch screen, 1.3 M camera, microphone, 1 GB DDR2 RAM, Mifare card reader, without expansion, R12
AMD 780E	AFL2-W15A-L325/R/1G-R11	15.6" 250cd/m² WXGA+ panel PC with AMD 780E + L325 dual core 1.5 GHz CPU, 802.11b/g/n wireless module, resistive touch screen, 1.3 M camera, microphone, 1GB DDR2 RAM, R11
	AFL2-W15A-L325/R-EM/1G-R11	15.6" 250cd/m² WXGA+ panel PC with AMD 780E + L325 dual core 1.5GHz CPU, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, 1GB DDR2 RAM, EM card reader, R11
	AFL2-W15A-L325/R-MF/1G-R11	15.6" 250cd/m² WXGA+ panel PC with AMD 780E + L325 dual core 1.5 GHz CPU, 802.11b/g/n wireless module, resistive touch screen, 1.3 M camera, microphone, 1GB DDR2 RAM, Mifare card reader, R11
Projected Capacitive Type Touch		
Intel® Atom™	AFL2-W15A-N270/PC/1G-R12	15.6" 250cd/m² WXGA+ fanless panel PC with Intel® Atom™ N270 1.6 GHz, 802.11b/g/n wireless module, Projected capacitive touchscreen, 1.3 M camera, microphone, 1GB DDR2 RAM, without expansion, R12
	AFL2-W15A-N270/PC-EM/1G-R12	15.6" 250cd/m² WXGA+ fanless panel PC with Intel® Atom™ N270 1.6 GHz, 802.11b/g/n wireless module, Projected capacitive touchscreen, 1.3 M camera, microphone, 1GB DDR2 RAM, EM card reader, without expansion, R12
	AFL2-W15A-N270/PC-MF/1G-R12	15.6" 250cd/m² WXGA+ fanless panel PC with Intel® Atom™ N270 1.6 GHz, 802.11b/g/n wireless module, Projected capacitive touchscreen, 1.3 M camera, microphone, 1 GB DDR2 RAM, Mifare card reader, without expansion, R12
AMD 780E	AFL2-W15A-L325/PC/1G-R11	15.6" 250cd/m² WXGA+ panel PC with AMD 780E + L325 dual core 1.5 GHz CPU,802.11b/g/n wireless module, Projected capacitive touchscreen, 1.3 M camera,microphone, 1GB DDR2 RAM, RoHS
	AFL2-W15A-L325/PC-EM/1G-R11	15.6" 250cd/m² WXGA+ panel PC with AMD 780E + L325 dual core 1.5 GHz CPU,802.11b/g/n wireless module, Projected capacitive touchscreen, 1.3 M camera,microphone, 1GB DDR2 RAM, EM card reader
	AFL2-W15A-L325/PC-MF/1G-R11	15.6" 250cd/m² WXGA+ panel PC with AMD 780E + L325 dual core 1.5 GHz CPU,802.11b/g/n wireless module, Projected capacitive touchscreen,1.3 M camera,microphone, 1GB DDR2 RAM, Mifare card reader

Optional Kit

Options		AFL2-W15A-N270/PC (Projected capacitive type touch) AFL2-W15A-N270/R (Resistive type touch)	AFL2-W15A-780E/PC (Projected capacitive type touch) AFL2-W15A-780E/R (Resistive type touch)
Panel Mounting Kit		AFL2PK-W15A-R10	
Wall Mounting Kit		AFLWK-19 / AFLWK-19B	
Arm		ARM-11-RS / ARM-31-RS	
Stand		STAND-A19 / STAND-B19 / STAND-C19 / STAND-210-R11	
OS	Win CE 6.0	AFL2CF-W15-N270-CE060-R10 (128 MB CF card)	--
	Win XPE	AFL2CF-W15-N270-XPE-R10 (1 GB CF card)	AFL2CF-W15-L325-XPE-R10 (1 GB CF card)
	Linux	AFL2CF-W15-N270-LNX-R10 (2 GB CF card)	AFL2CF-W15-L325-LNX-R10 (2 GB CF card)
	Win 7	AFL2CF-W15-N270-WES7E-R10 / AFL2CF-W15-N270-WES7P-R10 (4 GB CF card)	AFL2CF-W15-780-WES7E-R10 / AFL2CF-W15-780-WES7P-R10 (4 GB CF card)
		AFL2SD-W15-N270-WES7E-R10 / AFL2SD-W15-N270-WES7P-R10 (4 GB SATA SSD module)	AFL2SD-W15-780-WES7E-R10 / AFL2SD-W15-780-WES7P-R10 (4 GB SATA SSD module)
DC 12 V Input UPS		AUPS-B10-R10 (VESA 100, DC 12 V input, 12 V output 100 W UPS module with 3800 mAH)	
DC 9~36 V Input UPS		AUPS-B20-R10 (VESA 100, DC 9~36 V input, 12 V output 100 W UPS module with 3800 mAH)	

Optional Module

Model Name	AFL2DB-MPCIE-R10	AFL2DB-UART-R10	AFL2DB-LAN-R10	AFL2DB-USB3-R10	AFL2DB-CPT4-R10
Interface	PCIe x1	UART	PCIe x1	PCIe x1	PCIe x1
Board size (mm)	50 x 75	80 x 75	50 x 75	50 x 75	50 x 75
Specifications	Support full size PCIe Mini card slot and standard SIM card socket	Two DB-9 RS-232 interface	Cotroller: RTL8111CP Connection rate: one port 10/100/1000Base-T (RJ-45)	Host Controller: Fresco FL1000G Conncetion rate: USB 2.0 (max. 480Mbps) / USB 3.0 (max. 5Gbps) USB power output: DC +5V @ 900mA (max.)	4-channel video capture with 4 BNC inputs. Video resolution - NTSC/PAL: D1, Dalf-D1, CIF Total recording rate: 120fps (NTSC), 100fps (PAL)
OS support	Windows 7, Windows XP	Windows 7, Windows XP	Windows 7, Windows XP, Linux driver for kernel 2.6.	Windows 7, Windows XP	Windows 7, Windows XP

* Packing with one video capture card and one DB-9 to 4 BNC connector cable

Packing List

Item	P/N	Q'ty	Specifications
Touch Pen	43125-0002C0-00-RS	1	
Power Adapter	63000-FSP060DBAB1554-RS (for Intel® N270 platform) 63000-FSP084DMBA1308-RS (for AMD L325 platform)	1	90-264 VAC input , 12 VDC output , 60W 90-264 VAC input , 12 VDC output , 84W
Power Cord	32000-000002-RS	1	1750 mm; European standard
User's Manual CD	7B000-000087-RS	1	
Screws	44013-030041-RS	4	
Remote Controller	7Z000-8T00320ICP05G-RS	1	

Touch Pen

Model No.:43125-0002C0-00-RS
Description:
1) With special material
2) Combined soft rubber with anti-oxidative plastic material
3) Durable and flexible
4) Particularly designed for AFOLUX GEN II touch Pen
Length: 140mm

AFL2-17A-H61

Intel® 2nd Gen Core™ i7/i5/i3 Solution

AFL2-W19A-H61

Intel® 2nd Gen Core™ i7/i5/i3 Solution

Optional CD-ROM available

AFL2-17A-H61

Features

- Programmable colorful LED light bar
- 2nd Generation Intel® Core™ i7/ i5/ i3, Pentium® and Celeron® processor
- Two 204-pin DDR3 SO-DIMM slot (system max. 16GB) preinstalled with 4GB (2GB x 2)
- Projected capacitive touchscreen and 5-wire resistive type touchscreen supported
- Wi-Fi 802.11b/g/n 2T2R high speed wireless
- EM or Mifare RFID reader
- Built-in 1.3M pixels webcam with AF, AE and AWB capabilities
- Built-in two 2W speakers and microphone
- IP64 compliant front panel
- Auto dimming control
- Light fanless design
- K-type thermalcouple temperature sensor
- Wide range 9~36 VDC input

Specifications

Model		AFL2-17A-H61	AFL2-W19A-H61
LCD Specifications	Size	17" (4:3)	W18.9" (16:10)
	Resolution	1280 (W) x 1024 (H)	1440 (W) X 900 (H)
	Brightness (cd/m²)	350	250
	Contrast Ratio	1000:1	1000:1
	LCD Color	16.7M	16.7M
	Pixel Pitch (mm)	0.264 (H) x 0.264 (V)	0.2835 (H) x 0.2835 (V)
	Viewing Angle (H-V)	170° / 170°	170° / 160°
	Backlight MTBF	50,000 (LED backlight)	30,000 (LED backlight)
System	CPU	2nd Generation Intel® Core™ i7/ i5/ i3, Pentium® and Celeron® processor	
	Chipset	Intel® H61	
	RAM	Support two 204-pin DDR3 SO-DIMM slot (system max. 16GB) preinstalled with 4GB (2GB x 2)	
	Ethernet	Realtek RTL8111E PCIe GbE controller supports ASF 2.0	
	SSD	N/A	
	HDD	2.5" SATA 3Gb/s HDD bay	
	CD-ROM	1 x Slim Type CD-ROM bay	
	Input / Output	2 x RS-232 (DB-9 connector) RS-422/485 (DB-9 connector) 2 x GbE LAN (one on the bottom, one on the left) 2 x USB 3.0 3 x USB 2.0 (two on the bottom, one on the left) 1 x Mini USB port on front panel 1 x Micro SD card slot on front panel 1 x Line-out, Mic (on the left) VGA port (DB-15 connector) HDMI port Power switch AT/ATX switch Reset button Clear CMOS button 9 ~ 36V DC input jack	
	Expansion Interface	1 x PCIe Mini slot for Wi-Fi, 1 x PCIe Mini slot reserved	
Other Features	Audio	AMP 2W + 2W (internal speaker)	
	Camera	1.3 M pixels with low light function	
	RFID Reader	EM 125 KHz or Mifare 13.56 MHz card reader (optional)	
	MSR Card Reader	MSR card reader (optional)	
	OSD Function	LCD on/off, brightness up/down, volume up/down, Hot Key	
	Ambient Light Sensor	Yes	
	Infrared Remote Controller	Yes	
	Touch Screen	5-wire resistive type or projected capacitive type touch screen	
	LED Light Bar	Yes	
	System Cooling	Light fanless (smart fan operates above default temperature setting)	
Wireless		1 x Wireless LAN 802.11 b/g/n module (internal PCIe Mini card interface) 1 x Bluetooth function (optional internal USB interface, Bluetooth V2.0+EDR)	
Physical	Construction Front Panel	PC + ABS Plastic	
	Mounting	Panel, Wall, Rack, Stand, Arm VESA 100mm x 100mm	Panel, Wall, Stand, Arm VESA 100mm x 100mm
	Color	Black	
	Dimensions (mm)	418 (W) x 378 (H) x 65 (D)	488 (W) x 361 (H) x 65 (D)
	Weight (N/G)	6.9 kg / 9.0 kg	7.3 kg / 10 Kg
Environment	Operating Temperature (°C) (Ambient with air flow)	-20°C ~ 40°C	
	Storage Temperature (°C)	-20°C ~ 60°C	
	Humidity	10% to 95% (non-condensing)	
	IP Level	IP 64 compliant front panel	
	Safety&EMC	CE / FCC	
Power	Power Supply	120W power adapter Input:100 V AC ~ 240 V AC, 50 / 60Hz, Output: 19 V DC	
	Power Requirement	9 ~ 36 VDC	9 ~ 36 VDC
	Power Consumption	19V@5.3A (Intel® Core™ i7-2600S CPU with 1333MHz 4GB DDR3 memory)	19V@5.58A (Intel® Core™ i7-2600S CPU with 1333MHz 4GB DDR3 memory)

Ordering Information

AFL2-17A-H61/AFL2-17AB-H61

Part No.			Description
Core i5	Resistive Touch	AFL2-17A-H61-i5/R-R10	17" 350cd/m² SXGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-17A-H61-i5/R-EM-R10	17" 350cd/m² SXGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-17A-H61-i5/R-MF-R10	17" 350cd/m² SXGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
		AFL2-17AB-H61-i5/R-R10	17" 350cd/m² SXGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, R10
		AFL2-17AB-H61-i5/R-EM-R10	17" 350cd/m² SXGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, EM card reader, R10
		AFL2-17AB-H61-i5/R-MF-R10	17" 350cd/m² SXGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, MF card reader, R10
	Projected Capacitive Touch	AFL2-17A-H61-i5/PC-R10	17" 350cd/m² SXGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, R10
		AFL2-17A-H61-i5/PC-EM-R10	17" 350cd/m² SXGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, EM card reader, R10
		AFL2-17A-H61-i5/PC-MF-R10	17" 350cd/m² SXGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, MF card reader, R10
		AFL2-17AB-H61-i5/PC-R10	17" 350cd/m² SXGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, R10
		AFL2-17AB-H61-i5/PC-EM-R10	17" 350cd/m² SXGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, EM card reader, R10
		AFL2-17AB-H61-i5/PC-MF-R10	17" 350cd/m² SXGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, MF card reader, R10
Core i3	Resistive Touch	AFL2-17A-H61-i3/R-R10	17" 350cd/m² SXGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-17A-H61-i3/R-EM-R10	17" 350cd/m² SXGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-17A-H61-i3/R-MF-R10	17" 350cd/m² SXGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
		AFL2-17AB-H61-i3/R-R10	17" 350cd/m² SXGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, R10
		AFL2-17AB-H61-i3/R-EM-R10	17" 350cd/m² SXGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, EM card reader, R10
		AFL2-17AB-H61-i3/R-MF-R10	17" 350cd/m² SXGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, MF card reader, R10
	Projected Capacitive Touch	AFL2-17A-H61-i3/PC-R10	17" 350cd/m² SXGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, R10
		AFL2-17A-H61-i3/PC-EM-R10	17" 350cd/m² SXGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, EM card reader, R10
		AFL2-17A-H61-i3/PC-MF-R10	17" 350cd/m² SXGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, MF card reader, R10
		AFL2-17AB-H61-i3/PC-R10	17" 350cd/m² SXGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, R10
		AFL2-17AB-H61-i3/PC-EM-R10	17" 350cd/m² SXGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, EM card reader, R10
		AFL2-17AB-H61-i3/PC-MF-R10	17" 350cd/m² SXGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, MF card reader, R10
Pentium	Resistive Touch	AFL2-17A-H61-P/R-R10	17" 350cd/m² SXGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-17A-H61-P/R-EM-R10	17" 350cd/m² SXGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-17A-H61-P/R-MF-R10	17" 350cd/m² SXGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
		AFL2-17AB-H61-P/R-R10	17" 350cd/m² SXGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, R10
		AFL2-17AB-H61-P/R-EM-R10	17" 350cd/m² SXGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, EM card reader, R10
		AFL2-17AB-H61-P/R-MF-R10	17" 350cd/m² SXGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, MF card reader, R10
	Projected Capacitive Touch	AFL2-17A-H61-P/PC-R10	17" 350cd/m² SXGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, R10
		AFL2-17A-H61-P/PC-EM-R10	17" 350cd/m² SXGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, EM card reader, R10
		AFL2-17A-H61-P/PC-MF-R10	17" 350cd/m² SXGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, MF card reader, R10
		AFL2-17AB-H61-P/PC-R10	17" 350cd/m² SXGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, R10
		AFL2-17AB-H61-P/PC-EM-R10	17" 350cd/m² SXGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, EM card reader, R10
		AFL2-17AB-H61-P/PC-MF-R10	17" 350cd/m² SXGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, MF card reader, R10

Options

Item	AFL2-17A-H61	AFL2-W19A-H61
Panel Mounting Kit	AFL2PK-17A	
Wall Mounting Kit	AFLWK-19/AFLWK-19B	
Rack Mounting Kit	AFL2RK-17A	AFL2RK-W19
Arm	ARM-31-RS	
Stand	STAND-A19/STAND-B19/STAND-C19/STAND-210-R11/STAND-A26-R11	
Hybrid Card Reader	AFL2P-12AMSI-U-R10	
Magnetic Stripe Reader	AFL2P-12AMSR-U-R10	
Slim DVD Burner	73400-AD7700S01-RS	
Bluetooth Module Kit	AFL2-BT-KIT01-R11	
OS: Win CE 6.0 (CD-ROM)	AFL2-17A-H61-CE060-R10	
OS: Win XPE (CD-ROM)	AFL2-17A-H61-XPE-R10	
OS: Linux (CD-ROM)	AFL2-17A-H61-LNX-R10	
OS: Win 7 Embedded (DVD-ROM)	AFL2-17A-H61-WES7P-R10 (for Projected Capacitive Touch) AFL2-17A-H61-WES7E-R10 (for Resistive Touch)	

Ordering Information

AFL2-W19A-H61/AFL2-W19AB-H61

Part No.			Description
Core i5	Resistive Touch	AFL2-W19A-H61-i5/R-R10	18.9" 250cd/m² WXGA+ panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-W19A-H61-i5/R-EM-R10	18.9" 250cd/m² WXGA+ panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W19A-H61-i5/R-MF-R10	18.9" 250cd/m² WXGA+ panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
		AFL2-W19AB-H61-i5/R-R10	18.9" 250cd/m² WXGA+ panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, R10
		AFL2-W19AB-H61-i5/R-EM-R10	18.9" 250cd/m² WXGA+ panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, EM card reader, R10
		AFL2-W19AB-H61-i5/R-MF-R10	18.9" 250cd/m² WXGA+ panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, MF card reader, R10
	Projected Capacitive Touch	AFL2-W19A-H61-i5/PC-R10	18.9" 250cd/m² WXGA+ panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, R10
		AFL2-W19A-H61-i5/PC-EM-R10	18.9" 250cd/m² WXGA+ panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W19A-H61-i5/PC-MF-R10	18.9" 250cd/m² WXGA+ panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, MF card reader, R10
		AFL2-W19AB-H61-i5/PC-R10	18.9" 250cd/m² WXGA+ panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, R10
		AFL2-W19AB-H61-i5/PC-EM-R10	18.9" 250cd/m² WXGA+ panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, EM card reader, R10
		AFL2-W19AB-H61-i5/PC-MF-R10	18.9" 250cd/m² WXGA+ panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, MF card reader, R10
Core i3	Resistive Touch	AFL2-W19A-H61-i3/R-R10	18.9" 250cd/m² WXGA+ panel PC, Core i3 Dual Core 2xxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-W19A-H61-i3/R-EM-R10	18.9" 250cd/m² WXGA+ panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W19A-H61-i3/R-MF-R10	18.9" 250cd/m² WXGA+ panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
		AFL2-W19AB-H61-i3/R-R10	18.9" 250cd/m² WXGA+ panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, R10
		AFL2-W19AB-H61-i3/R-EM-R10	18.9" 250cd/m² WXGA+ panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, EM card reader, R10
		AFL2-W19AB-H61-i3/R-MF-R10	18.9" 250cd/m² WXGA+ panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, MF card reader, R10
	Projected Capacitive Touch	AFL2-W19A-H61-i3/PC-R10	18.9" 250cd/m² WXGA+ panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, R10
		AFL2-W19A-H61-i3/PC-EM-R10	18.9" 250cd/m² WXGA+ panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W19A-H61-i3/PC-MF-R10	18.9" 250cd/m² WXGA+ panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, MF card reader, R10
		AFL2-W19AB-H61-i3/PC-R10	18.9" 250cd/m² WXGA+ panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, R10
		AFL2-W19AB-H61-i3/PC-EM-R10	18.9" 250cd/m² WXGA+ panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, EM card reader, R10
		AFL2-W19AB-H61-i3/PC-MF-R10	18.9" 250cd/m² WXGA+ panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, without LED bar, MF card reader, R10
Pentium	Resistive Touch	AFL2-W19A-H61-P/R-R10	18.9" 250cd/m² WXGA+ panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-W19A-H61-P/R-EM-R10	18.9" 250cd/m² WXGA+ panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W19A-H61-P/R-MF-R10	18.9" 250cd/m² WXGA+ panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
		AFL2-W19AB-H61-P/R-R10	18.9" 250cd/m² WXGA+ panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, R10
		AFL2-W19AB-H61-P/R-EM-R10	18.9" 250cd/m² WXGA+ panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, EM card reader, R10
		AFL2-W19AB-H61-P/R-MF-R10	18.9" 250cd/m² WXGA+ panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, without LED bar, MF card reader, R10
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Packing List

Item	P/N	Q'ty	Description
Utility CD		1	drivers and user manual
One Key Recovery CD		1	
Power Adapter	63000-FSP120AAB-RS	1	FSP120-AAB;90~264VAC input ; 120W ;19VAC output
Power Cord	32702-000401-100-RS	1	European, 1500mm
Power Transfer Cord	32000-089400-RS	1	
Infrared Remote Controller	7Z000-SLPCB005-RS	1	
M3 Screw Pack	44013-030041-RS	4	M3 x 4 for securing HDD
M4 Screw Pack	44033-040061-RS	4	M4 x 4 for VESA screw
I/O Bracket	41013-0290C2-00-RS	1	I/O Bracket
Temperature Sensor Cable	32133-004300-100-RS	1	
Pen	43125-0002C0-00-RS	1	For Resistive Touch

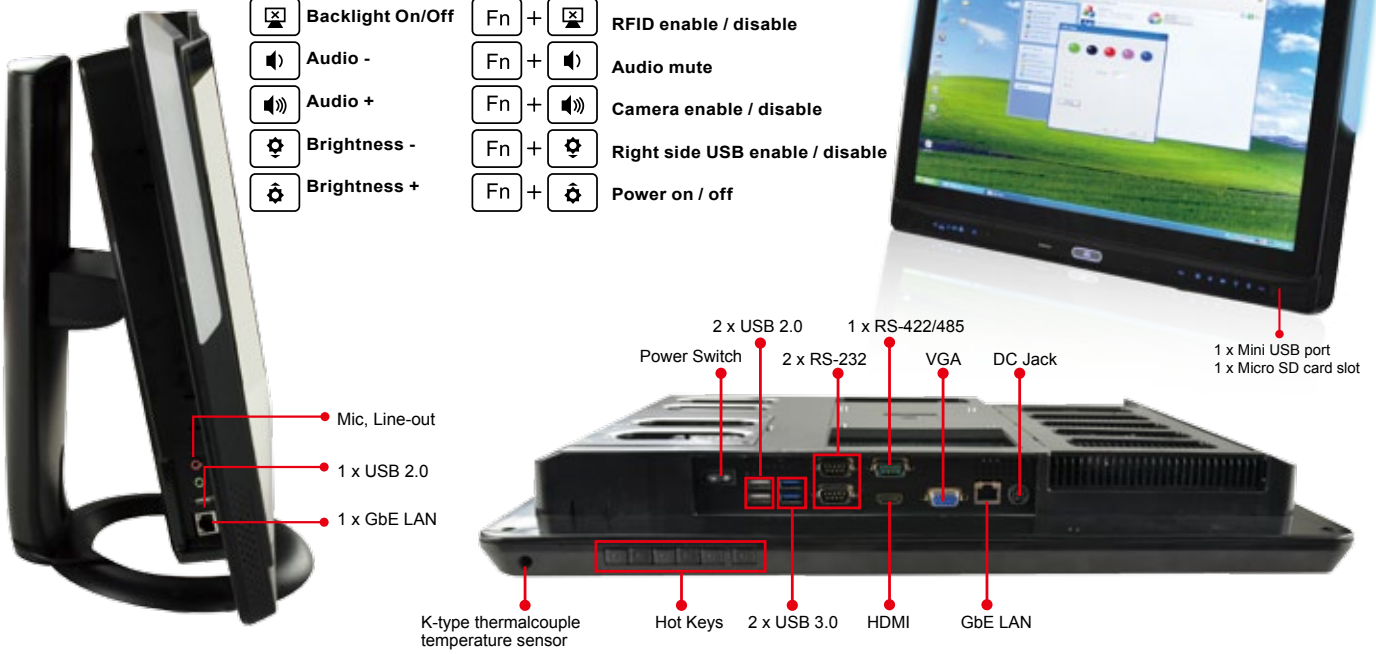
CD-RW/DVD-RW Driver Spec.

The drive is able to write CD-R/RW disks, DVD+R/RW disks and DVD-R/RW disks

Drive Type	Internal Slim CD-RW/DVD Combo Drive	
Data Transfer Rate	Write: DVD+R/DVD+RW/DVD-R: 8X DVD-RW: 6X CD-R/CD-RW: 24X	Read: DVD-ROM: 8X CD-ROM: 24X
Interface	SATA	
Buffer Memory	2MB	

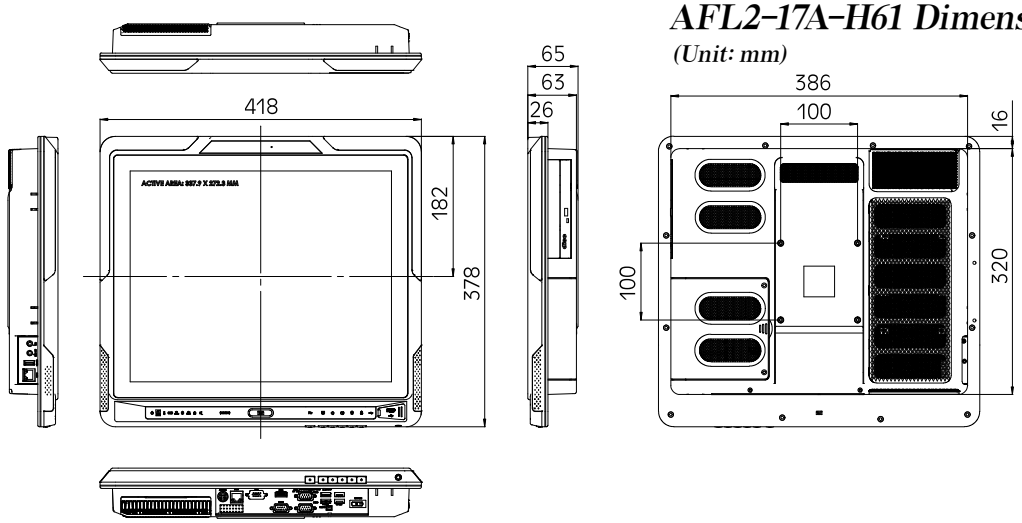
Function Keys

Fn	Fn		
	Backlight On/Off	Fn +	RFID enable / disable
	Audio -	Fn +	Audio mute
	Audio +	Fn +	Camera enable / disable
	Brightness -	Fn +	Right side USB enable / disable
	Brightness +	Fn +	Power on / off



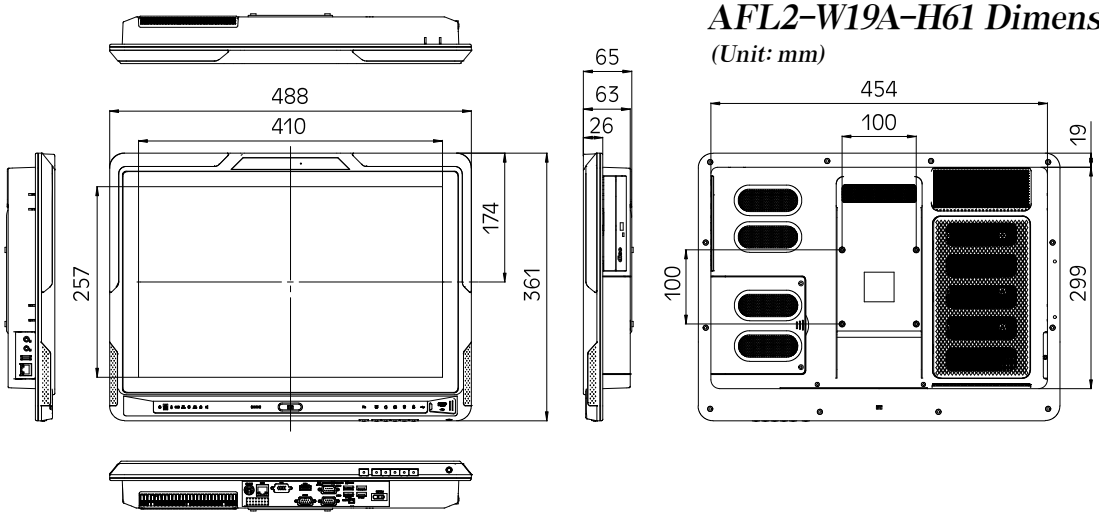
AFL2-17A-H61 Dimensions

(Unit: mm)



AFL2-W19A-H61 Dimensions

(Unit: mm)



AFOLUX Panel PC

- 5.7"~19" multi-functional all-in-one Panel PCs
- Streamlined plastic housing
- Water and dust resistance IP64 front panel protection
- Industrial grade operating temperature

Affordable Luxury for You~

AFOLUX is designed to provide versatile, cost-effective solutions to meet the growing demand emerging from semi-industrial computing markets. From clinical to factory environments, restaurants to schools, and entertainment to surveillance devices, AFOLUX is your ultimate choice to fulfill a wide spectrum of applications.

AFOLUX PPC Diverse Platform and Panel Size

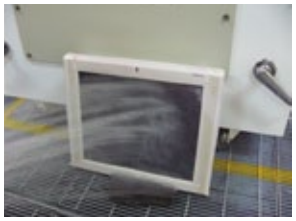
	5.7”	W7”	8.0”	8.4”	W10.2”	10.4”	12.1”
AMD LX800	AFL-057A-LX	AFL-07A-LX	AFL-08AH-LX			AFL-10A-LX	AFL-12A-LX AFL-12A-LXPOS
Intel® Atom™ N270/ Z510/Z530/E620	AFL-057A-Z510 AFL-057A-Z530	AFL-07A-N270	AFL-F08A-N270 AFL-08B-N270	AFL-08AH-N270	AFL-W10A-N270	AFL-10A-N270	AFL-12A-N270

	15”	W15.6”	17”	19”	W19”
Intel® Atom™ N270	AFL-15A-N270		AFL-17D-N270		AFL-W19A-N270 AFL-W19B-N270
Intel® 915GME (Celeron® M GHz)	AFL-15A-915		AFL-17A-915		AFL-19A-915
Intel® GME965	AFL-15C-965		AFL-17C-965	AFL-19C-965	
Intel® GM45		AFL-W15A-GM45	AFL-17D-GM45		AFL-W19A-GM45 AFL-W19B-GM45
Intel® HM55	AFL-15i-HM55		AFL-17i-HM55	AFL-19i-HM55	

AFOLUX PPC MAIN FEATURES

A. IP 64 Water and Dust Proof Protection

The AFOLUX front panel is IP64 compliant which protects the screen against damage from liquid or dust. Extend the lifetime of your products!



B. Variety Multimedia Functions

Low Light Camera, Microphone and Speaker

High resolution video camera

Sensitive Microphone

Built-in stereo speakers

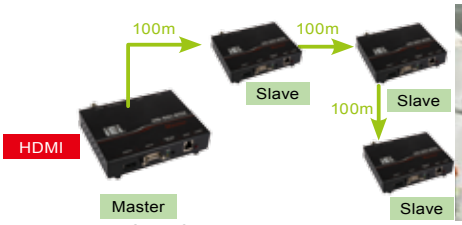
Models	Camera	Microphone	Speakers
AFL-15i/17i/19i-HM55 AFL-15C/17C/19C-965	--	--	Amplified 3W + 3W
AFL-F08A/08B/W10A-N270 AFL-408A/412A/415A-N270	300K pixels with low light	Digital microphone	Amplified 1.5W + 1.5W
AFL-W15A/17D/W19A/W19B-N270 AFL-W15A/17D/W19A/W19B-GM45	300K pixels with low light	Digital microphone	Amplified 3W + 3W
AFL-057A/07A/08AH/10A/12A-LX AFL-12BS/12BX/15A-LXPOS AFL-15A/17A/19A-915	--	--	Amplified 1.5W + 1.5W
AFL-07A/08AH/10A/12A/15A-N270 AFL-408B-W410A-N270 AFL-057A-Z510/Z530	--	--	Amplified 1.5W + 1.5W

HD Hardware Decoder and HDMI Output

Integrated Radeon HD3200 graphic core supports UVD– VC-1, MPEG2, and H.264/AVC full HD decoder. Through HDMI output to HD-SDI-BOX-kit, HD content can be transmitted up to 100 meters for a long distance digital signage application.

Models	HD Hardware Decoder	HDMI output
AFL-15i/17i/19i-HM55	--	V
AFL-W15A/17D/W19A/W19B-GM45	--	V
AFL-057A-Z510/Z530	V	--

AFL-W15A-L325 with S780E/T + SB710	
Graphic Core	Radeon 3200
DirectX Support	DX10
Video Decode	UVD-VC-1, MPEG2, H.264/AVC Full HD Decode
HDMI/DVI	1080p



HD-SDI-BOX kit

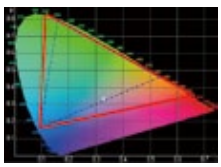
Shopping Mall Digital Signage Broadcasting

C. LED Backlight Panel Equipped

Enhancement of image quality on LCD screen

- Wider color gamut
- More even screen illumination
- Longer display life
- Low temperature operation and greater power efficiency

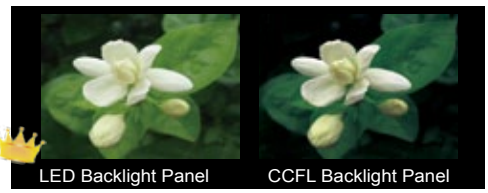
Color Gamut Comparison



LED

Normal CCFL

Vivid and High Contrast Image



Thus LED backlight makes the image color shown on the LCD screen look nature and vivid.

Panel Size	5.7”	W7”	8.0”	8.4”	10.4”	12.1”
Brightness	400 nits	500 nits	250 nits	450 nits	400 nits	500 nits
Models	AFL-057A-LX AFL-057A-Z510 AFL-057A-Z530	AFL-07A-LX AFL-07A-N270	AFL-F08A-N270 AFL-08B-N270	AFL-08AH-LX AFL-08AH-N270	AFL-10A-LX AFL-10A-N270	AFL-12A-LX AFL-12A-N270

D. Power over Ethernet Enabled

No need for electricians to install conduit, electrical wiring, and outlets throughout the enterprise.

Panel Size	5.7”
Solution Models	AFL-057A-Z510 AFL-057A-Z530

Saving Deployment Costs

IPS-2040P
Industrial PoE Ethernet Switch

E. Wireless Capabilities

Local-based Communication

Easy to deploy, no network cables is needed. Reduce your setup cost and lead time.

802.11b/g

Streaming music
Streaming video

802.11n

No spaces in between items:
VoIP/Gaming/NAS

Peripheral Communication

It is easy to operate and connect input devices and peripherals when the Panel PC is mounted to a rack or a kiosk.

Long-range Mobile Communication

High mobility without any hot spot limitation.

	Wi-Fi	Bluetooth (optional)
AFL-15i/17i/19i-HM55	IEEE 802.11 b/g/n	Bluetooth V2.1+EDR
AFL-W15A/17D/W19A/W19B-GM45	IEEE 802.11 b/g/n	Bluetooth V2.0
AFL-15C/17C/19C-965	IEEE 802.11 b/g/n	Bluetooth V2.0
AFL-07A/08AH/F08A/08B/W10A-N270 AFL-408A/408B-N270	IEEE 802.11 b/g/n	Bluetooth V2.0
AFL-W15A/17D/W19A/W19B-N270 AFL-10A/12A/15A-N270 AFL-W410A/412A/415A-N270 AFL-15A/17A/19A-915	IEEE 802.11 b/g/n	Bluetooth V2.0
AFL-057A-Z510/Z530 AFL-057A/07A/08AH-LX	IEEE 802.11 b/g	Bluetooth V2.0
AFL-10A/12A-LX AFL-12BX/15A-LXPOS	IEEE 802.11 b/g	Bluetooth V2.0

F. Auto Dimming and OSD Remote Control

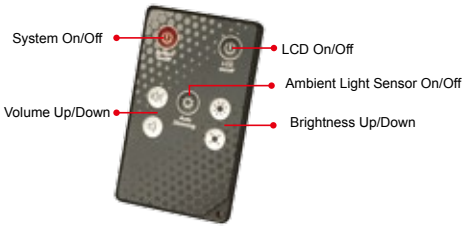
Built-in Ambient Light Sensor

- Power Consumption Saving
- Comfortable Viewing Brightness
- Extend Product Lifetime

Ambient Light Sensor

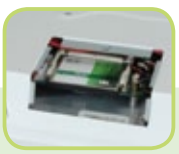
OSD Remote Control

Brightness and volume control wherever the system is located.



Models	Hardware OSD Control	OSD Remote Control	Ambient Light Sensor
AFL-15i/17i/19i-HM55	5-Key Keypad	V	V
AFL-F08A-N270	6-Key Keypad	V	
AFL-W15A/W19A	7-Key Keypad	V	V
AFL-15C/17C/19C-965	5-Key Keypad	--	--
AFL-408A/408B/W410A/412A/415A-N270	--	V	V
AFL-17D/W19B	5-Key Keypad	--	--

G. Multiple and Expandable Storage



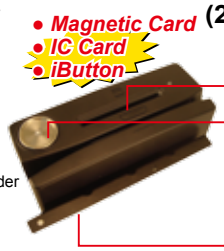
	CF card	SATA Slim SSD	2.5” SSD	Hard Disk	Optical Disk
Cost	High	High	High	Medium	Low
Data Transfer Rate	Read-40MB/sec. Write-20MB/sec.	Read-90MB/sec. Write-60MB/sec.	Read-230MB/sec. Write-160MB/sec.	Read-110MB/sec. Write-110MB/sec.	Read-32.4MB/sec. Write-10MB/sec.
Capacity	128MB~16GB	1GB~16GB	8GB~128GB	80GB~1TB	680MB~50GB
Application	Operating System, Application Program	Operating System, Application Program	Operating System, Application Program	Operating Data, Media Data	Media Data, Backup Data…

Models	CF Card	SATA Slim SSD	2.5” Storage Bay	Slim Type ODD
AFL2-W15A-N270/L325	V	V	V	--
AFL-15i/17i/19i-HM55	--	V	V	--
AFL-17D/W19B/317A/517A	V	V	V	V
AFL-15C/17C/19C-965 AFL-W15A/W19A/315A	V	V	V	--
AFL-057A-Z510/Z530 AFL-07A/08AH/F08A/08B/ W10A-N270 AFL-408A/408B/W410A-N270 AFL-057A/07A/08AH/10A-LX	V	--	--	--
AFL-10A/12A/15A-N270 AFL-412A/415A-N270 AFL-15A/17A/19A-915	V	V	V	--
AFL-12A-LX AFL-12BX/15A-LXPOS	V	--	V (IDE Interface)	--

H. Optional Magnetic Stripe Card / Smart Card Reader

(1) Magnetic Stripe Reader

(2) Hybrid Card Reader


• Magnetic Card
• IC Card
• iButton
Smart Card Reader
iButton
The iButton can be used to store cash for small transactions or as an electronic asset tag to store and track information such as valuable capital equipment.
Magnetic Card Reader

P/N	AFLP-12BMSR-U / AFLP-17AMSR-U	AFLP-12BMSI-U / AFLP-17AMSI-U
General	90 mm Magnetic Stripe Reader Programming: By Software Download Program Card Standard: ANSI , ISO , ABA Track Read: ISO 1,2,3 (IATA,ABA,THRIFT/ MINTS), JISII100-1000mm/sec	(1) Magnetic Card: ISO 7811, AAMVA, DMV, JIS II (2) Smart Card: ISO 7816, EMV (3) Dallas iButton
Electrical	Voltage:DC+5V, +/-5% Reading Indicator:Beeper	Voltage: DC+5V,+/-5% Reading Indicator:Beeper
Environment	Operating Temperature: 0°C to 40°C Relative Humidity: 20% to 85 % (Non-condensing)	Operating Temperature: -10°C to 55°C Relative Humidity: 10% to 90 % (Non-condensing)
Physical	Cable: Straight 2.5ft Weight: Approx.61g	Cable: Straight 2.5ft Weight: Approx.60g
Interface	USB	USB

I. OSD Control Software

IEI patented system software utility allows users to adjust system settings through the software interface in Windows environment instead of pressing the membrane keypad below the front panel.

J. Selectable AT/ATX Power Mode

AT Power Mode

Applications

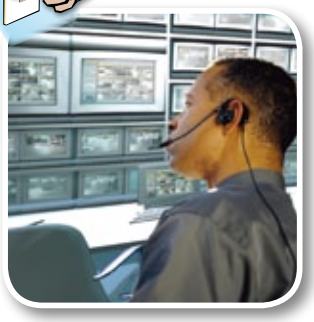
- ATM
- Self-service kiosk
- Plant environment monitoring system
- Factory automation platform
- Manufacturing shop flow

Advantages

- Easy to turn on/off with wall/ panel mounting
- Automatic start when power connected

With the AT mode selected, the power is controlled by a central power unit rather than a power switch. The AFOLUX PPCs turns on automatically when the power is connected.

ATX Power Mode



Applications

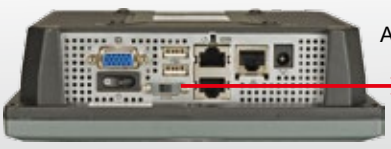
- Security surveillance
- Advertising terminal

Advantages

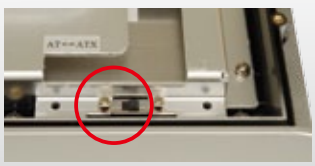
- Power management
- Remote control via network advantage

With the ATX mode selected, the AFL series panel PC goes in a standby mode when it is turned off. The panel PC can be easily turned on via network or a power switch in standby mode. Remote power control is perfect for advertising applications since the broadcasting time for each panel PC can be set individually and controlled remotely.

Convenient Power Mode Setting



AT/ATX switch on the rear panel



AT/ATX switch is located at the bottom right on the aluminum chassis

AFOLUX 5.7”~8.4” Selection Guide

LCD Size		5.7"		Wide 7"		8.0"		8.4"	
Model		**AFL-057A-LX**	**AFL-057A-Z510 AFL-057A-Z530**	**AFL-07A-LX**	**AFL-07A-N270**	**AFL-08B-N270**	**AFL-F08A-N270**	**AFL-08AH-LX**	**AFL-08AH-N270**
Display	LCD Size	5.7"		Wide 7"		8.0"		8.4 "	
	Max Resolution (WxH)	640 x 480		800 x 480		800 x 600		800 x 600	
	Brightness (cd/m²)	400		400		250		450	
	Contrast Ratio	300:1		400:1		400:1		600:1	
	LCD Color	262K		262K		262K		262K	
	Pixel Pitch (mm) (HxV)	0.06 (H) x 0.18 (V)		0.0635 (H) x 0.1905 (V)		0.2025 (H) x 0.2025 (V)		0.213 (H) x 0.213 (V)	
	Viewing Angle (H/V)	140°/100°		140°/110°		140°/ 130°		160°/140°	
	Backlight MTBF (hrs)	50000 (LED backlight panel)		50000 (LED backlight panel)		30000 (LED backlight panel)		50000 (LED backlight panel)	
Motherboard	CPU	AMD Geode LX800 500MHz Processor	Intel® Atom™ Z530 1.6GHz Processor Intel® Atom™ Z510 1.1GHz Processor"	AMD Geode LX800 500MHz Processor	Intel® Atom™ Processor N270 1.6GHz CPU	Intel® Atom™ Processor N270 1.6GHz CPU		AMD Geode LX800 500MHz Processor	Intel® Atom™ Processor N270 1.6GHz CPU
	Chipset	AMD Geode LX800 + AMD CS5536	Intel® US15W	AMD Geode LX800 + AMD CS5536	Intel® 945GSE + ICH7M	Intel® 945GSE + ICH7M		AMD Geode LX800 + AMD CS5536	Intel® 945GSE + ICH7M
	RAM	1 x 200-pin DDR SO-DIMM (max. 1GB)	1 x 200-pins DDR2 SO-DIMM (max. 2GB)	1 x 200-pin DDR SO-DIMM (max. 1GB)	1 x 200-pins DDR2 SO-DIMM (max. 2GB)	1 x 200-pin DDR2 SO-DIMM (max. 2GB)		1 x 200-pin DDR SO-DIMM socket, (max. 1GB)	1 x 200-pins DDR2 SO-DIMM (max. 2GB)
I/O Ports and Switches		1 x RS-232 COM Port (RJ-45) 1 x RS-232/422/485 COM Port (RJ-45) 1 x RJ-45 for 10/100Mbps LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x VGA Port 1 x Power Jack	1 x RS-232/422/485 COM Port 1 x RJ-45 for GbE supports PoE 802.3af, PoE/PD 1 x USB 2.0 1 x Reset Button 1 x Power Input with Lock 1 x Reset Button	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for 10/100Mbps LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out)	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x External SATA	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x External SATA		1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for 10/100Mbps LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out)	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x External SATA
Drive Bay	HDD	--		--		--		--	
	SSD	CF Type II		CF Type II		CF Type II		CF Type II	
	CD-ROM	--		--		--		--	
Wireless Connection	Wi-Fi	IEEE 802.11 b/g (internal USB)	IEEE 802.11 b/g (internal Mini PCI)	IEEE 802.11 b/g (internal Mini PCI)	IEEE 802.11 b/g/n (internal PCIe Mini card)	IEEE 802.11 b/g/n (internal PCIe Mini card)		IEEE 802.11 b/g (internal Mini PCI)	IEEE 802.11 b/g/n (internal PCIe Mini card)
Audio/Video Device	Camera Module	--		--		300K pixels	2 megapixel with Low Light Function	--	
	Microphone	--		--		yes		--	
Expansion Slot		--		--		--		--	
Physical	Dimensions (WxHxD) (mm)	180 x 135 x 55		226 x 140 x 41		234 x 177 x 43		234 x 134 x 42	
	Net Gross Weight	0.8 Kg		0.8 Kg		0.8 Kg	1.8 Kg	0.8 Kg	
System Cooling		Fanless		Fanless		Fanless		Fanless	
Environment	Operation Temperature	0°C~50°C	-20°C~60°C	0°C~50°C	-10°C~50°C	-10°C~50°C		0°C~50°C	-10°C~50°C
	Storage Temperature	-20°C~60°C		-20°C~60°C		-20°C~60°C		-20°C~60°C	
Power Requirement		12 VDC	5 VDC	12 / 24 VDC	12 VDC	12 VDC		12 / 24 VDC	12 VDC

AFOLUX Wide 10.2”~12.1” Selection Guide

LCD Size		Wide 10.2"	10.4"		12.1”	
Model		**AFL-W10A-N270**	**AFL-10A-LX**	**AFL-10A-N270**	**AFL-12BX(S)-LXPOS**	**AFL-12A-N270**
Display	LCD Size	Wide 10.2"	10.4"		12.1”	
	Max Resolution (WxH)	1024 x 600	800 x 600		1024x768 or 800x600	1024 x 768
	Brightness (cd/m²)	400	400		500 or 450	500
	Contrast Ratio	400:1	600:1		700:1	600:1
	LCD Color	262K	262K		262K	262K
	Pixel Pitch (mm) (HxV)	0.2175 (H) x 0.2175 (V)	0.264 (H) x 0.264 (V)		0.240 (H) x 0.240 (V)	
	Viewing Angle (H/V)	140º/ 110º	160º/140º		160º/160º or 160º/140º	160º/160º
	Backlight MTBF (hrs)	40000	50000 (LED backlight panel)		50000 (LED backlight panel)	
Motherboard	CPU	Intel® Atom™ Processor N270 1.6GHz CPU	AMD Geode LX800 500MHz Processor	Intel® Atom™ Processor N270 1.6GHz CPU	AMD Geode LX800 500MHz Processor	Intel® Atom™ Processor N270 1.6GHz CPU
	Chipset	Intel® 945GSE + ICH7M	AMD Geode LX800 + AMD CS5536	Intel® 945GSE + ICH7M	AMD Geode LX800 + AMD CS5536	Intel® 945GSE + ICH7M
	RAM	1 x 200-pins DDR2 SO-DIMM (max. 2GB)	1 x 200-pin DDR SO-DIMM (max. 1GB)	1 x 200-pins DDR2 SO-DIMM (max. 2GB)	1 x 200-pin DDR SO-DIMM (max. 1GB)	1 x 200-pins DDR2 SO-DIMM (max. 2GB)
I/O Ports and Switches		1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x External SATA	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for 10/100Mbps LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out)	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x External SATA	2 x RS-232 COM Port (pin 9 with RI, 5V or 12V switch selectable 1 x RJ-45 for 10/100Mbps LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x RJ-12 for Cash Drawer (12V)	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x External SATA
Drive Bay	HDD	--	--		1 x 2.5” IDE HDD bay	1 x 2.5” SATA HDD bay
	SSD	CF Type II	CF Type II		CF Type II	
	CD-ROM	--	--		--	
Wireless Connection	Wi-Fi	IEEE 802.11 b/g/n (internal PCIe Mini card)	IEEE 802.11 b/g (internal Mini PCI)	IEEE 802.11 b/g/n (internal PCIe Mini card)	IEEE 802.11 b/g (internal Mini PCI)	IEEE 802.11 b/g/n (internal PCIe Mini card)
Audio/Video Device	Camera Module	300K pixels	--		--	
	Microphone	Yes	--		--	
Expansion Slot		N/A	--		--	
Physical	Dimensions (WxHxD) (mm)	280 x 186 x 49	276 x 222 x 51		304 x 246 x56	304 x 246 x50
	Net Gross Weight	1.4 Kg	1.4 Kg		1.8 Kg	
System Cooling		Fanless	Fanless		Fanless	
Environment	Operation Temperature	-10°C~50°C	0°C~50°C	-10°C~50°C	0°C~50°C	0°C~40°C with SATA HDD -10°C~50°C with CF card or SATA SSD
	Storage Temperature	-20°C~60°C	-20°C~60°C		-20°C~60°C	
Power Requirement		12 VDC	12 / 24 VDC	12 VDC	12 / 24 VDC	12 VDC

AFOLUX 15” Selection Guide

Intel® Core™ i7/i5/i3

LCD Size		15”			
Model		AFL-15A(E)-N270	AFL-15D(E)-N270	AFL-15C(E)-965	AFL-15i(E)-HM55
Display	LCD Size	15"		15"	
	Max Resolution (WxH)	1024 x 768		1024 x 768	
	Brightness (cd/m²)	350 or 250		350 or 250	
	Contrast Ratio	700:1 or 600:1		700:1 or 600:1	
	LCD Color	262K		262K	
	Pixel Pitch (mm) (HxV)	0.297 (H) x 0.297 (V)		0.297 (H) x 0.297 (V)	
	Viewing Angle (H/V)	140º/125º or 160º/160º		140º/125º or 160º/160º	
	Backlight MTBF (hrs)	50000 or 40000		50000 or 40000	
Motherboard	CPU	Intel® Atom™ Processor N270 1.6GHz CPU	Intel® Atom™ Processor N270 1.6GHz CPU	Intel® Celeron® M 550 2.0GHz	Intel® Celeron® M P4500 CPU
				Intel® Core™ 2 Duo T7500 2.2GHz	Intel® Core™ i7/i5/i3
	Chipset	Intel® 945GSE + ICH7M	Intel® 945GSE + ICH7M	Intel® 945GSE + ICH7M	Intel® HM55
	RAM	1 x 200-pins DDR2 SO-DIMM (max. 2GB)	1 x 200-pins DDR2 SO-DIMM (max. 2GB)	2 x 200-pins DDR2 SO-DIMM (max. 4GB)	2 x 204-pins DDR3 SO-DIMM (max. 8GB)
I/O Ports and Switches		1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15)		1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15) 1 x External SATA	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15) 1 x HDMI Port
Drive Bay	HDD	1 x 2.5” IDE HDD bay		1 x 2.5” SATA HDD bay	
	SSD	CF Type II		CF Type II	SATA SSD
	CD-ROM	--	1 x Slim type ODD bay	--	
Wireless Connection	Wi-Fi	IEEE 802.11 b/g/n (internal Mini PCI)		IEEE 802.11 b/g/n (internal PCIe Mini card)	
Audio/Video Device	Camera Module	--	--	--	
	Microphone	--	--	--	
Expansion Slot		--	--	--	
Physical	Dimensions (WxHxD) (mm)	394 x 309 x 61	394 x 309 x 71	394 x 309 x 75	394 x 309 x 66
	Net Gross Weight	3.2 Kg	3.5 Kg	5.8 Kg	5.8 Kg
System Cooling		Fanless	Fanless	Active with fan	
Environment	Operation Temperature	0°C~40°C with SATA HDD -10°C~45°C with CF card or SATA SSD		0°C~50°C	
	Storage Temperature	-20°C~60°C		-20°C~60°C	
Power Requirement		12 VDC	12 VDC	12 VDC	12 VDC

AFOLUX Wide 15.6” Selection Guide

LCD Size		Wide 15.6"		
Model		**AFL-W15A-N270**	**AFL-W15B-N270**	**AFL-W15A-GM45**
Display	LCD Size	15.6"		
	Max Resolution (WxH)	1366 x 768		
	Brightness (cd/m²)	250		
	Contrast Ratio	500:1		
	LCD Color	262K		
	Pixel Pitch (mm) (HxV)	0.252 (H) x 0.252 (V)		
	Viewing Angle (H/V)	110º/85º		
	Backlight MTBF (hrs)	50000		
Motherboard	CPU	Intel® Atom™ Processor N270 1.6GHz CPU		Intel® Celeron® M 575 2.0GHz CPU
				Intel® Core™2 Duo P8400 2.26GHz
				Intel® Core™2 Duo T9400 2.53GHz
	Chipset	Intel® 945GSE + ICH7M		Intel® GM45 + ICH9M
	RAM	1 x 200-pins DDR2 SO-DIMM (max. 2GB)		2 x 200-pins DDR2 SO-DIMM (max. 4GB)
I/O Ports and Switches		1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15)		1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15) 1 x HDMI Port
Drive Bay	HDD	1 x 2.5” SATA HDD bay or Optional HSUPA module		
	SSD	CF Type II		
	CD-ROM	--	1 x Slim type ODD bay	--
Wireless Connection	Wi-Fi	IEEE 802.11 b/g/n (internal PCIe Mini card)		
Audio/Video Device	Camera Module	300K pixels		
	Microphone	Yes		
Expansion Slot		--		
Physical	Dimensions (WxHxD) (mm)	400 x 273 x 63	400 x 273 x 70	400 x 273 x 63
	Net Gross Weight	3.3 Kg	3.8 Kg	3.3 Kg
System Cooling		Fanless		Active with fan
Environment	Operation Temperature	0°C~40°C with SATA HDD -10°C~50°C with CF card or SATA SSD		
	Storage Temperature	-20°C~60°C		
Power Requirement		12 VDC	12 VDC	12 VDC

AFOLUX 17” Selection Guide

Intel® Core™ i7/i5/i3

LCD Size		17"				
Model		AFL-17A-915	AFL-17C-965	AFL-17D-N270	AFL-17D-GM45	AFL-17i-HM55
Display	LCD Size	17"		17"		
	Max Resolution (WxH)	1280 x 1024		1280 x 1024		
	Brightness (cd/m²)	300		300		380
	Contrast Ratio	800:1		800:1		
	LCD Color	16.7M		16.7M		
	Pixel Pitch (mm) (HxV)	0.264(H) x 0.264(V)		0.264(H) x 0.264(V)		
	Viewing Angle (H/V)	160°/160°		160°/160°		
	Backlight MTBF (hrs)	50000		50000		
Motherboard	CPU	Intel® Celeron® M 1GHz Processor with 512KB L2 cache	Intel® Celeron® M 550 2.0GHz	Intel® Atom™ Processor N270 1.6GHz CPU	Intel® Celeron® M 575 2.0GHz	Intel® Celeron® M P4500 CPU"
			Intel® Core™2 Duo T7500 2.2GHz		Intel® Core™2 Duo P8400 2.26GHz CPU	Intel® Core™ i7/i5/i3
					Intel® Core™2 Duo T9400 2.53GHz CPU	
	Chipset	Intel® 915GME	Intel® 945GSE + ICH7M	Intel® 945GSE + ICH7M	Intel® GM45 + ICH9M	Intel® HM55
	RAM	2 x 200-pin DDR2 SO-DIMM (max. 2GB)	2 x 200-pin DDR2 SO-DIMM (max. 4GB)	1 x 200-pin DDR2 SO-DIMM (max. 2GB)	2 x 200-pin DDR2 SO-DIMM (max. 4GB)	2 x 204-pin DDR3 SO-DIMM (max. 8GB)
I/O Ports and Switches		1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15) 1 x External SATA	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15) 1 x External SATA	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15)	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 6 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15) 1 x HDMI Port	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15) 1 x HDMI Port
Drive Bay	HDD	1 x 2.5” SATA HDD bay	1 x 2.5” SATA HDD bay	1 x 2.5” SATA HDD bay		
	SSD	CF Type II		CF Type II		SATA SSD
	CD-ROM	--		1 x Slim type ODD bay		--
Wireless Connection	WiFi	IEEE 802.11 b/g/n (internal PCIe Mini card)				
Audio/Video Device	Camera Module	--	--	300K pixels		--
	Microphone	--	--	Yes		--
Physical	Dimensions (WxHxD) (mm)	428 x 350 x 65	428 x 350 x 76	410 x 349 x 83		428 x 350 x 71
	Net Gross Weight	5.0 Kg	5.8 Kg	6.2 Kg		6.0 Kg
System Cooling		Fanless	Active with fan	Fanless	Active with fan	Active with fan
Environment	Operation Temperature	0°C~40°C with SATA HDD 0°C~45°C with CF card or SATA SSD		0°C~40°C with SATA HDD -10°C~50°C with CF card or SATA SSD		0°C~50°C
	Storage Temperature	-20°C~60°C		-20°C~60°C		
Power Requirement		12 VDC	12 VDC	12 VDC	12 VDC	12 VDC

AFOLUX 19"~Wide 19" Selection Guide

LCD Size		19"		Intel® Core™ i7/i5/i3	Wide 19"			
Model		AFL-19A-915	AFL-19C-965	AFL-19i-HM55	AFL-W19A-N270	AFL-W19A-GM45	AFL-W19B-N270	AFL-W19B-GM45
Display	LCD Size	19"			19"			
	Max Resolution (WxH)	1280 x 1024		1280 x 1024	1440 x 900			
	Brightness (cd/m²)	300		450	300			
	Contrast Ratio	800:1		1000:1	1000:1			
	LCD Color	16.7M		16.7M	16.2M			
	Pixel Pitch (mm) (HxV)	0.294 (H) x 0.294 (V)		0.294 (H) x 0.294 (V)	0.285 (H) x 0.285 (V)			
	Viewing Angle (H/V)	160°/160°		178°/178°	170°/160°			
	Backlight MTBF (hrs)	50000		50000	50000			
Motherboard	CPU	Intel® Celeron® M 1GHz Processor with 512KB L2 cache	Intel® Celeron® M 550 2.0GHz CPU Intel® Core™2 Duo T7500 2.2GHz CPU	Intel® Celeron® M P4500 CPU Intel® Core™ i7/i5/i3	Intel® Atom™ Processor N270 1.6GHz CPU	Intel® Celeron® M 575 2.0GHz Intel® Core™2 Duo P8400 2.26GHz CPU Intel® Core™2 Duo T9400 2.53GHz CPU	Intel® Atom™ Processor N270 1.6GHz CPU	Intel® Celeron® M 575 2.0GHz Intel® Core™2 Duo P8400 2.26GHz CPU Intel® Core™2 Duo T9400 2.53GHz CPU
	Chipset	Intel® 915GME	Intel® 945GSE + ICH7M	Intel® HM55	Intel® 945GSE + ICH7M	Intel® GM45 + ICH9M	Intel® 945GSE + ICH7M	Intel® GM45 + ICH9M
	RAM	2 x 200-pin DDR2 SO-DIMM (max. 2GB)	2 x 200-pin DDR2 SO-DIMM (max. 4GB)	2 x 204-pin DDR3 SO-DIMM (max. 8GB)	1 x 200-pin DDR2 SO-DIMM (max. 2GB)	2 x 200-pin DDR2 SO-DIMM (max. 4GB)	1 x 200-pin DDR2 SO-DIMM (max. 2GB)	2 x 200-pin DDR2 SO-DIMM (max. 4GB)
I/O Ports and Switches		1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15) 1 x External SATA	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15) 1 x External SATA	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15) 1 x HDMI Port	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15)	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15) 1 x HDMI Port	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15)	1 x RS-232 COM Port (DB-9) 1 x RS-232/422/485 COM Port (DB-9) 2 x RJ-45 for GbE LAN 6 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out) 1 x VGA (DB-15) 1 x HDMI Port
Drive Bay	HDD	1 x 2.5" SATA HDD bay						
	SSD	CF Type II		SATA SSD	CF Type II			
	CD-ROM	--			--		1 x Slim type ODD bay	
Wireless Connection	Wi-Fi	IEEE 802.11 b/g/n (internal PCIe Mini card)						
Audio/Video Device	Camera Module	--			300K pixels			
	Microphone	--			Yes			
Physical	Dimensions (WxHxD) (mm)	470 x 383 x 67	470 x 383 x 79	470 x 383 x 72	475 x 259 x 65		475 x 259 x 84	
	Net Gross Weight	5.8 Kg	6.2 Kg	6.2 Kg	5.8 Kg		6.2 Kg	
System Cooling		Fanless	Active with fan	Active with fan	Fanless	Active with fan	Fanless	Active with fan
Environment	Operation Temperature	0°C~40°C with SATA HDD 0°C~45°C with CF card or SATA SSD		0°C~50°C	0°C~40°C with SATA HDD -10°C~50°C with CF card or SATA SSD			
	Storage Temperature	-20°C~60°C			-20°C~60°C			
Power Requirement		12 VDC	12 VDC	12 VDC	12 VDC	12 VDC	12 VDC	12 VDC

AFL-15i-HM55/AFL-17i-HM55/AFL-19i-HM55

15”~19” AFOLUX PPC features Intel® Core™ i7/i5/i3 mobile processor with Intel® HM55 chipset

Key Features

- 15”~19” multi-functional panel PC with touchscreen
- Powered by high performance Intel® mobile Core™ i7/ i5/ i3 and Celeron® processor with Intel® HM55 chipset
- System memory supports DDR3 SDRAM SO-DIMM up to 8 GB
- HDMI interface provides second display with vivid image quality
- 802.11 b/g/n high speed wireless
- Dual gigabit Ethernet
- Versatile mounting solution: panel/wall/rack/stand mounting
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Intel® i3/i5/i7 with DDR3 | i5 i7 Core i3/i5/i7 | HDMI | Dual DDR 3 | F3 One Key Recovery | iEi symantec.

The Best Performance Grade with Intel® Mobile Core™ i7/ i5/ i3

Dual Channel DDR3 Support up to 8 GB

Information

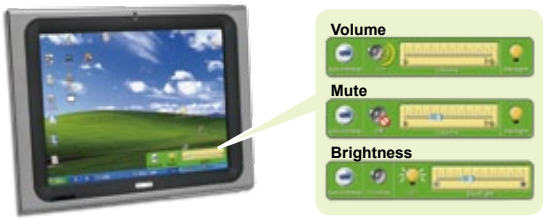
Digital Signage

Kiosk

Internet Kiosk

OSD Utility

IEI patented system software utility allows users to adjust system settings through the software interface in Windows environment instead of pressing the membrane keypad below the front panel.



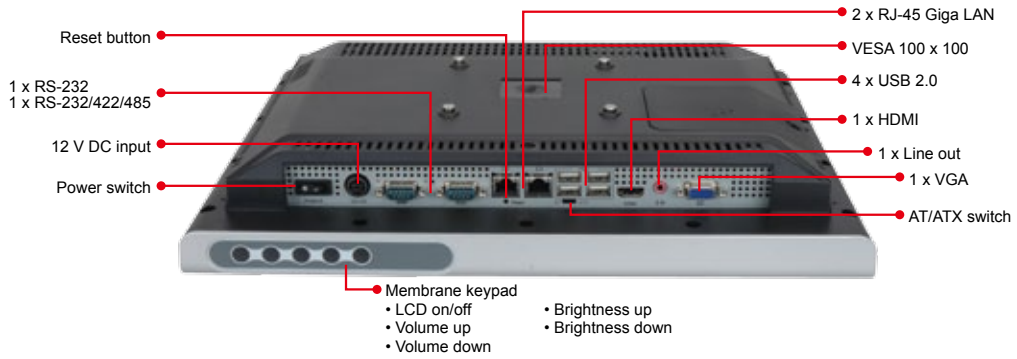
HDMI Port Delivers High Image Quality on the Second Display

High-Definition Multimedia Interface (HDMI) which is a compact audio/video interface for transmitting uncompressed digital data delivering high-definition video at 1080p resolution (1920x1080). It also supports industry standard EIA-861B video modes including 480p, 720p, 1080i, and 1080p

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

Full HD 1080p

I/O Interface



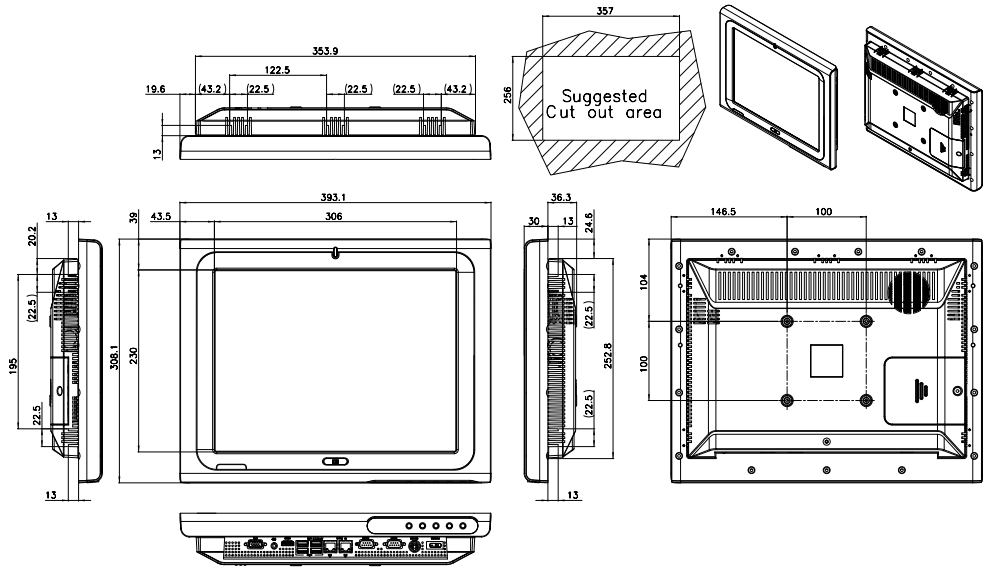
Easily Accessible HDD and SATA Slim SSD

Specifications

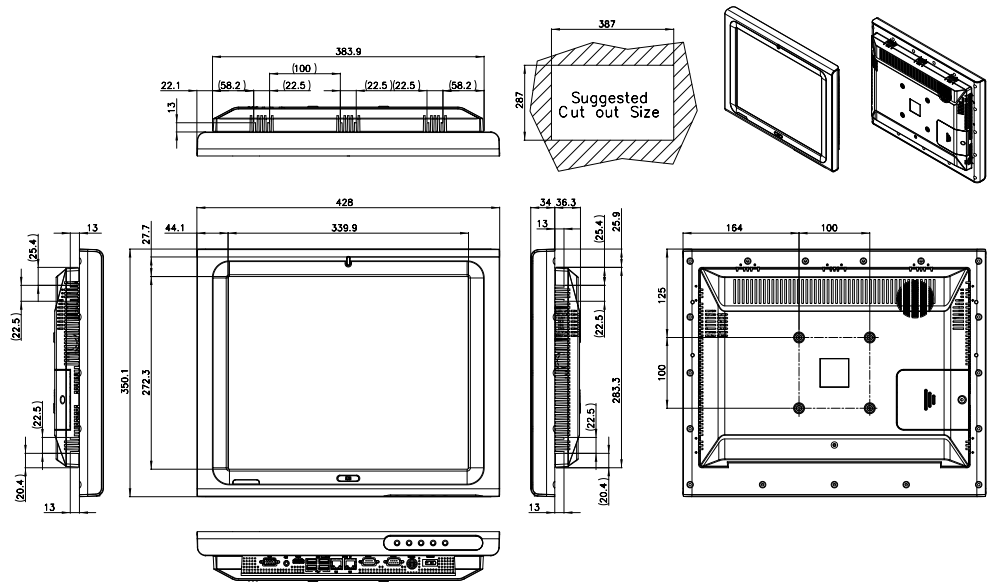
	Model	AFL-15i(E)-HM55	AFL-17i-HM55	AFL-19i(E)-HM55
LCD Touch Specification	LCD Size	15"	17"	19"
	Max Resolution	1024 (W) x 768 (H)	1280 (W) x 1024 (H)	1280 (W) x 1024 (H)
	Brightness (cd/m²)	350 or 250	380	450
	Contrast Ratio	700:1 or 600:1	800:1	1000:1
	LCD Color	16.2M	16.7M	16.7M
	Pixel Pitch (mm)	0.297(H) x 0.297(V)	0.264(H) x 0.264(V)	0.294(H) x 0.294(V)
	Viewing Angle (H-V)	140/125	160/160	178/178
	Backlight MTBF	50,000	50,000	50,000
	Touch Screen	Resistive Type 5-Wire (touch controller IC is on board) or capacitive type touch screen without HDD bay		Resistive Type 5-Wire (touch controller IC is on board)
System	SBC Model	AFLMB2-HM55-R10		
	CPU	Socket G (PGA989A) Intel® Arrandale processor		
	Chipset	Intel® HM55		
	Memory	Two 204-pin 800/ 1066 MHz DDR3 dual-channel SO-DIMM (system max. 8GB)		
	IO Ports	1 x RS-232 by DB-9 1 x RS-232 or RS-422/485 by DB-9 2 x GbE LAN by RJ-45 4 x USB connector 1 x HDMI Port 1 x Audio jack (line out) 1 x VGA port by DB-15 1 x Reset button 1 x Power switch 1 x Power jack		
	Drive Bay	1 x 2.5" SATA HDD bay for SATA storage devices		
	SSD	SATA Slim SSD		
	Watchdog Timer	Software programmable supports 1~255 sec. system reset		
	Audio	AMP 3W + 3W (internal speaker)		
	Membrane Keypad	LCD on/off, Brightness up/down, Volume up/down		
	LED Function	1 x Power on/off LED on front panel		
Wireless	Wi-Fi	1 x Wi-Fi module 802.11 b/g/n (internal PCIe Mini card interface)		
Physical	Construction Material	ABS + PC Plastic front frame		
	Mounting	Panel, Wall, Rack, Stand and Arm VESA 100mm x 100mm		Panel, Wall, Stand and Arm VESA 100mm x 100mm
	Front Panel Color	Sliver (877U) & Gray (ABSA2037)		
	Net Weight	3.2 kg	6.0 kg	6.2 kg
	Dimensions (WxHxD) (mm)	394 x 309 x 75	428 x 350 x 76	470 x 383 x 79
Environment	Operation Temperature (°C)	0°C~50°C	0°C~50°C	0°C~50°C
	Storage Temperature (°C)	-20°C~60°C	-20°C~60°C	-20°C~60°C
	IP Level	Front Frame IP64		
Power	Power Adapter	P/N: 63000-FSP096AHB-RS 96W power adapter Input: 90VAC~264VAC, 50/60Hz Output: 12V DC		
	Power Requirement	12V DC		
	Power Consumption	80W	85W	87W

Dimensions (Unit: mm)

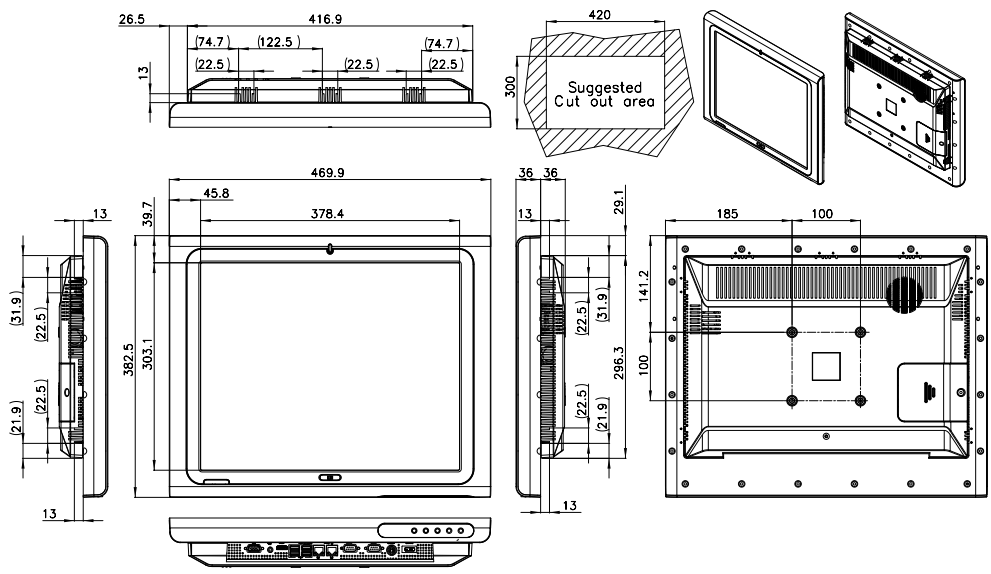
AFL-15*i*-HM55



AFL-17*i*-HM55



AFL-19*i*-HM55



Ordering Information

	Part Number	Description
15" Regular Brightness (250cd/m²)	AFL-15iE-HM55i3-35/R/2G-R11	15" 250cd/m² XGA panel PC with Intel® Core™ i3-350M 2.26G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen , RoHS
	AFL-15iE-HM55i5-52/R/2G-R11	15" 250cd/m² XGA panel PC with Intel® Core™ i5-520M 2.4G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen , RoHS
	AFL-15iE-HM55i7-62/R/2G-R11	15" 250cd/m² XGA panel PC with Intel® Core™ i7-620M 2.66G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen , RoHS
	AFL-15iE-HM55-P45/R/1G-R11	15" 250cd/m² XGA panel PC with Intel® Celeron P4500 1.86G CPU, 1GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen , RoHS
15" High Brightness (350cd/m²)	AFL-15i-HM55i3-35/R/2G-R11	15" 350cd/m² XGA panel PC with Intel® Core™ i3-350M 2.26G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen , RoHS
	AFL-15i-HM55i5-52/R/2G-R11	15" 350cd/m² XGA panel PC with Intel® Core™ i5-520M 2.4G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen , RoHS
	AFL-15i-HM55i7-62/R/2G-R11	15" 350cd/m² XGA panel PC with Intel® Core™ i7-620M 2.66G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen , RoHS
	AFL-15i-HM55-45/R/1G-R11	15" 350cd/m² XGA panel PC with Intel® Celeron P4500 1.86G CPU, 1GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen , RoHS
17" High Brightness (380cd/m²)	AFL-17i-HM55i3-35/R/2G-R11	17" 380cd/m² SXGA panel PC with Intel® Core™ i3-350M 2.26G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R11, RoHS
	AFL-17i-HM55i5-52/R/2G-R11	17" 380cd/m² SXGA panel PC with Intel® Core™ i5-520M 2.4G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R11, RoHS
	AFL-17i-HM55i7-62/R/2G-R11	17" 380cd/m² SXGA panel PC with Intel® Core™ i7-620M 2.66G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R11, RoHS
	AFL-17i-HM55-P45/R/1G-R11	17" 380cd/m² SXGA panel PC with Intel® Celeron P4500 1.86G CPU, 1GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R11, RoHS
19" High Brightness (450cd/m²)	AFL-19i-HM55i3-35/R/2G-R11	19" 450cd/m² SXGA panel PC with Intel® Core™ i3-350M 2.26G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R11, RoHS
	AFL-19i-HM55i5-52/R/2G-R11	19" 450cd/m² SXGA panel PC with Intel® Core™ i5-520M 2.4G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R11, RoHS
	AFL-19i-HM55i7-62/R/2G-R11	19" 450cd/m² SXGA panel PC with Intel® Core™ i7-620M 2.66G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R11, RoHS
	AFL-19i-HM55-P45/R/1G-R11	19" 450cd/m² SXGA panel PC with Intel® Celeron P4500 1.86G CPU, 1GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R11, RoHS

Options

Model	AFL-15i-HM55	AFL-17i-HM55	AFL-19i-HM55
Panel Mounting Kit	AFLPK-19B		
Wall Mounting Kit	AFLWK-19 / AFLWK-19B		
Rack Mounting Kit	AFLRK-15B	AFLRK-17B	--
Arm	ARM-11-RS, ARM-31-RS		
Stand	STAND-A19, STAND-B19, STAND-C19, STAND-210-RS		
OS: Win XPE	AFLSD-15-HM55-2G-XPE (2GB SATA SSD module)	AFLSD-17-HM55-2G-XPE (2GB SATA SSD module)	AFLSD-19-HM55-2G-XPE (2GB SATA SSD module)
OS: Win 7	AFLSD-15-HM55-4G-WES7E-R10 (4GB SATA SSD module)	AFLSD-17-HM55-4G-WES7E-R10 (4GB SATA SSD module)	AFLSD-19-HM55-4G-WES7E-R10 (4GB SATA SSD module)
Hybrid Card Reader	AFLP-19AMSI-U		
Magnetic Stripe Reader	AFLP-19AMSR-U		
DC 12V Input UPS	AUPS-B10-R10 (VESA 100, DC 12V input, 12V output 100W UPS module with 3800mAH)		
DC 9~36V Input UPS	AUPS-B20-R10 (VESA 100, DC 9~36V input, 12V output 100W UPS module with 3800mAH)		
Bluetooth V2.0+EDR	AFL-BT-KIT01-R10		

Packing List

Item	Part No.	Q'ty	Specification
Power Cord	32000-000002-RS	1	1750mm;European Standard
Power Adapter	63000-FSP096AHB-RS	1	90~264V;12V;96W
Utility CD	7B000-000087-RS	1	
Screw Kit	44013-030041-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
Remote Controller	7Z000-8T00320ICP05G-RS	1	
One Key Recovery CD		1	

5.7" VGA AFOLUX PPC

AFL-057A-LX

AMD Geode™ LX 800 500MHz Processor

AFL-057A-Z510/Z530

5.7” Power over Ethernet (PoE) All-in-One Panel PC

IPS-2042TX
Industrial Lite-managed PoE Switch

Features

- 5.7” PoE compliant Panel PC with resistive touchscreen
- IEEE802.3af Power Over Ethernet (PoE) compliant
- Intel® Atom™ processor Z510P/Z530P up to 1.6 GHz
- Lower power consumption and fanless operation
- One CompactFlash® slot
- Wide operating temperature capability: -20ºC to 60ºC (AFL-057A-ZXX)
- IEI One Key Recovery solution for rapid OS backup and recovery (over 4 GB storage capacity recommended)
- IP64 compliant front panel

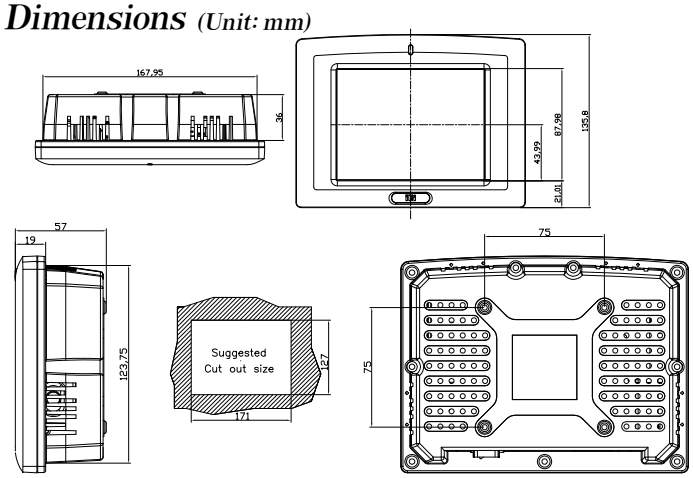
Specifications

Model	AFL-057A-LX	AFL-057A-Z510/Z530
LCD Size	5.7”	
Max Resolution	640 (W) x 480 (H)	
Brightness (cd/m²)	400	
Contrast Ratio	300:1	
LCD Color	262K	
Pixel Pitch (mm)	0.06 (W) x 0.18 (H)	
Viewing Angle (H-V)	140º / 100º	
Backlight MTBF	50,000 hrs (LED Backlight)	
SBC Model	AFLMB-LX2-800	AFLMB-US15W
CPU	AMD Geode™ LX 800 (500Mhz)	Intel® Atom™ Processor Z530P 1.6 GHz Intel® Atom™ Processor Z510P 1.1 GHz
Chipset	AMD LX800 + AMD CS5536	Intel® SCH: US15W
RAM	Supports one 333MHz or 400MHz DDR SO-DIMM (1GB Max.)	Supports one 533MHz or 400MHz DDR SO-DIMM (2GB Max.)
I/O Ports	1 x RJ-45 for RS-232 COM port 1 x RJ-45 for RS-232/422/485 COM port 2 x USB 2.0 1 x RJ-45 for 10/100Mbps LAN 1 x VGA port 1 x Power switch 1 x Reset button 1 x Power jack	1 x RS-232/422/485 COM port 1 x RJ-45 for GbE supports IEEE 802.3af, PoE/PD 1 x USB 2.0 1 x Reset button 1 x 5V DC power input
SSD	CF Type II	
PoE Function	--	Require IEEE 802.3af 12.95W power input Power Device PD (Power-input)
Watchdog Timer	Software programmable supports 1~255 sec. system reset	
Audio	AMP 1.5W + 1.5W (internal speaker)	AMP 1.5W+1.5W (internal speaker)
Wireless Connection	1 x Wireless LAN 802.11 b/g Module (internal USB interface)	--
Construction Front Panel	ABS + PC Plastic front frame /Aluminum die-casting body	ABS + PC Plastic front frame /Aluminum die-casting body
LED Function	1 x LED on front panel for power on/off	1 x LED on front panel for power on/off
Mounting	Panel, Wall, Rack, Stand or Arm mounting VESA 75 x 75mm	Panel, Wall, Stand and Arm VESA 75 x 75
Front Panel Color	Gray 7539U	Gray 7539U
Dimension (WxHxD) (mm)	180 x 135 x 55	180 x 135 x 55
Operation Temperature (°C)	0°C~50°C	-20°C~60°C
Storage Temperayure (°C)	-20°C ~ 60°C	-20°C ~ 60°C
N/G Weight	0.8 Kg	0.8 Kg
IP Level	Front Frame IP64	Front Frame IP64
Safety & EMC	CE / FCC	CE / FCC
Touch Screen	4-Wire Resistive Type (touch controller IC is on board)	4-Wire Resistive Type (touch controller IC is on board)
Power Adapter	P/N: 63000-FSP036RAB608-RS 36W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC	P/N: 63000-FSP025DGAA1705-RS (Optional) 25W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 5VDC
Power Requirement	12VDC	5V DC-IN Power input or receives PoE Power from RJ45 Connector
Power Consumption	15W	12W

PoE Panel PC Eliminates Need for AC Outlets

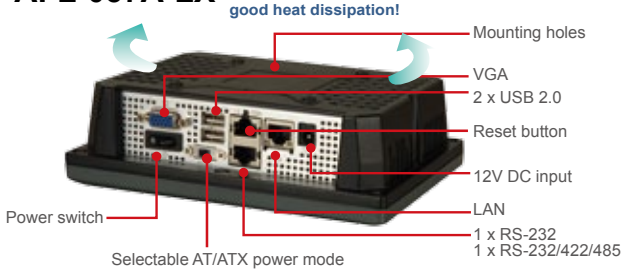
The IEI AFL-057A is IEEE 802.3af compliant. The IEEE 802.3af PoE standard ensures that 12.95W of DC power is provided to each connected device. PoE Technology describes a system that safely transfers electrical power, along with data, to remote devices over a standard category 5e cable in an Ethernet network.

AFL-057A Dimensions (Unit: mm)

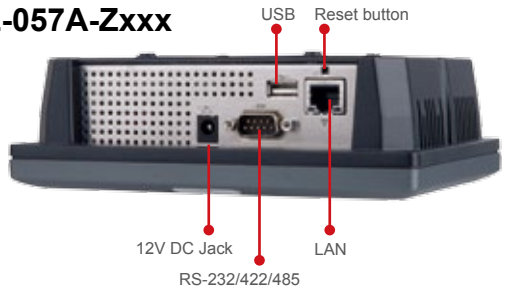


AFL-057A-LX

Aluminum die-casting rear cover with good heat dissipation!



AFL-057A-Zxxx



Ordering Information

Part Number	Description
AFL-057A-LX/R/256M-R21	5.7" VGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, wireless module, touch screen and 256MB DDR RAM, R21, RoHS
AFL-057A-LX/R/512M-R21	5.7" VGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, wireless module, touch screen and 512MB DDR RAM, R21, RoHS
AFL-057A-Z530/ R/1G-R11	5.7" 400 cd/m² VGA fanless panel PC with Intel® Atom™ Z530 1.6 GHz, PoE IEEE 802.3 af, touch screen,1 GB DDR2 553 MHz, RoHS
AFL-057A-Z510/ R/1G-R11	5.7" 400 cd/m² VGA fanless panel PC with Intel® Atom™ Z510 1.1 GHz, PoE IEEE 802.3 af, touch screen ,1GB DDR2 553 MHz, RoHS

Options

Item		AFL-057A-LX	AFL-057A-Zxxx
IQ Mount	Panel Mount Kit	AFLPK-12	
	Wall Mount Kit	AFLWK-12	
	Rack Mount Kit	AFLRK-057	
	ARM	ARM-11-RS / ARM-31-RS	
	Stand	STAND-A08 / STAND-C12 / STAND-100-RS	
	VSTAND	VSTAND-A07	
OS	Win XPE (1GB CF card)	AFLCF-057-LX-XPE-R10	AFLCF-057-US15W-XPE-R10
	Win 7 Embedded (2GB CF card)	N/A	AFLCF-057-US15W-WES7E-R10
	Win CE 5.0 (128MB CF card)	AFLCF-057-LX-CE5-R10	N/A
	Win CE 6.0 (128MB CF card)	AFLCF-057-LX-CE6-R10	AFLCF-057-US15W-CE6-R10
	Linux (2GB CF card)	AFLCF-057-US15W-LNX-R10	N/A
Industrial PoE Switch (4 ports P.S.E)		N/A	IPS-2042TX
Card Reader	Hybrid Card Reader	AFLP-08AMSI-U	AFLP-08AMSI-U
	Magnetic Stripe Reader	AFLP-08AMSR-U	AFLP-08AMSR-U
Power Adapter	DC to DC converter module	IDD-930160-KIT	N/A
	DC 12V Input UPS	AUPS-A10-R1- (7.4V 3800mAH)	N/A
	DC 9~36V Input UPS	AUPS-A10-R1- (7.4V 3800mAH)	N/A
	25W Pwer Adpater for AFL-057A-Zxxx	N/A	63000-FSP025DGAA1705-RS
Bluetooth	Bluetooth V2.0+EDR	AFL-BT-KIT03-R10	N/A

IPS-2042TX

Industrial 6-port Lite-Managed PoE Ethernet Switch

- World's fastest Redundant Ethernet Ring : O-Ring (Recovery time < 10 ms over 250 units of connection)
- Multiple Redundant Ethernet technology RSTP/STP, O-Ring supported
- SNMP v1 supports secured network management
- Web-based configuration and Windows utility (Open-Vision)
- Triple redundant DC power inputs via terminal block and power jack
- Event notification through Syslog, Email, and SNMP trap
- Two 100Base-FX fiber ports support long distance connections
- 4 ports support P.S.E based on IEEE 802.3af standard up to 25 watts per port
- Wide operating temperature range from -40°C to 70°C

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63000-FSP036RAB608-RS	1	90~264V AC; 12V DC; 36W (for AFL-057A-LX)
Power Cord	32000-000002-RS	1	1750mm (EU or US, depending on the shipment country) (for AFL-057A-LX)
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

7" Wide Screen WVGA AFOLUX PPC

AFL-07A-LX

AMD Geode™ LX 800 500 MHz Processor

AFL-07A-N270

Intel® Atom™ N270 1.6GHz Processor

(Optional Stand Kit)

16:9 Wide Screen

Features

- 7" widescreen WVGA LED backlight TFT LCD with resistive touch screen
- 18V~30V wide range DC power input (Optional for LX platform)
- Compact design with plastic housing
- Fanless cooling system
- Selectable AT/ATX power mode
- System memory up to 2 GB SDRAM
- Built-in 802.11b/g/n Wireless LAN
- Built-in two 1.5 W speakers
- One compactFlash® slot
- IP64 compliant front panel
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (suggest with over 4GB storage capacity)

Optional 18V ~30V Wide DC Power Input

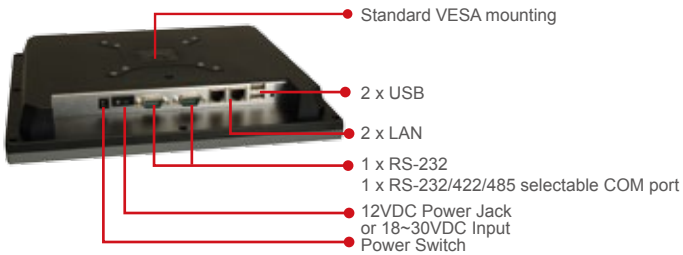
The compact fanless AFL-07A-LX model with widescreen high-brightness panel is ideal for setup in a place where space and light is limited. This makes it an ideal choice for mobile and transportation PC applications.

Specifications

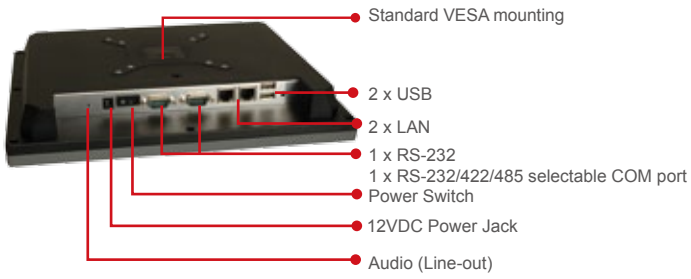
Model	AFL-07A-LX / AFL-07A-LX24V	AFL-07A-N270
LCD Size	7"	
Max Resolution	800 x 480	
Brightness (cd/m²)	500	
Contrast Ratio	400:1	
LCD Color	262K	
Pixel Pitch (mm)	0.0635 (H) x 0.1905 (V)	
Viewing Angle (H-V)	140° / 110°	
Backlight MTBF	50000 hrs (LED Backlight)	
SBC Model	AFLMB-LX-800	AFLMB-945GSE-N270-R10
CPU	AMD Geode™ LX 800 (500Mhz)	Intel® Atom™ processor N270 1.6GHz CPU
Chipset	AMD LX800 + AMD CS5536	Intel® 945GSE + ICH7M
RAM	Supports one 333MHz or 400MHz DDR SO-DIMM (1GB Max.)	Supports one 400MHz or 533MHz DDR2 SO-DIMM (2GB Max.)
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for 10/100Mbps LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Jack (Line-out)	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for GbE 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x External SATA 1 x Audio Jack (Line-out)
SSD	CF Type II	
Watchdog Timer	Software programmable supports 1~255 sec. system reset	
Audio	AMP 1.5W + 1.5W (internal speaker)	
Wireless Connection	1 x Wireless LAN 802.11 b/g Module (internal Mini PCI interface)	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini card interface)
Construction Front Panel	ABS + PC Plastic front frame	
LED Function	1 x LED on front panel for power on/off	
Mounting	Panel, Wall, Rack, Stand or Arm mounting VESA 75mm x 75mm	
Front Panel Color	Gray 7539U	
Dimensions (WxHxD) (mm)	226 x 140 x 41	
Operation Temperature (°C)	0~50°C	-10°C ~50°C
Storage Temperayure (°C)	-20°C ~ 60°C	
N/G Weight	0.6 Kg	
IP Level	Front Frame IP64	
Safety & EMC	CE / FCC	
Touch Screen	4-wire Resistive Type (touch controller IC is on board)	
Power Adapter	P/N: 63000-FSP036RAB608-RS 36W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC	
Power Requirement	12VDC/ 18~30VDC	12VDC
Power Consumption	20W	23W

Fully Integrated I/O

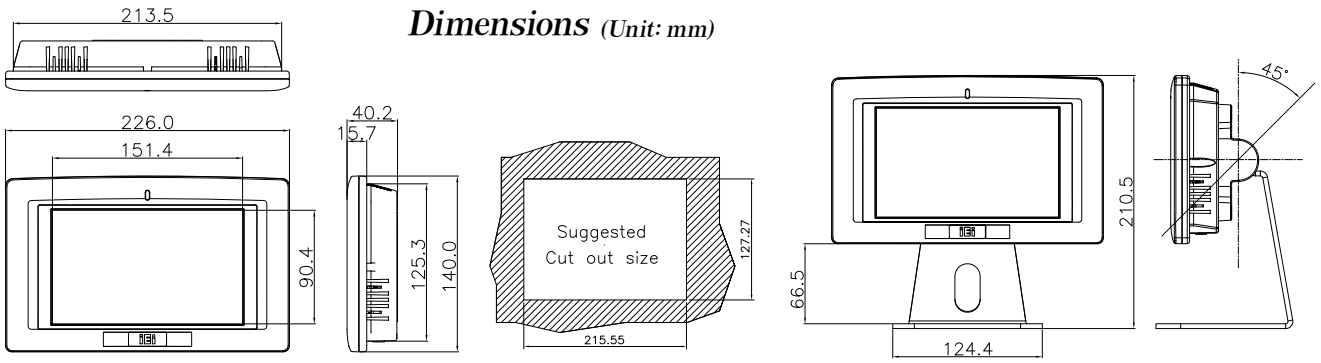
- **AFL-07A-LX**



- **AFL-07A-N270**



AFL-07A Dimensions (Unit: mm)



Ordering Information

Part Number	Description
AFL-07A-LX/R/256-R22	7" 500 cd/m², WVGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g Wireless Module, Touch screen and 256MB DDR RAM, R22
AFL-07A-LX/R/512-R22	7" 500 cd/m², WVGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g Wireless Module, Touch screen and 512MB DDR RAM, R22
AFL-07A-LX24V/R/256-R22	7" 500 cd/m², WVGA fanless panel PC with AMD LX-800 CPU, 18~30VDC input, AT/ATX mode, 802.11b/g Wireless Module, Touch screen and 256MB DDR RAM, R22
AFL-07A-LX24V/R/512-R22	7" 500 cd/m², WVGA fanless panel PC with AMD LX-800 CPU, 18~30VDC input, AT/ATX mode, 802.11b/g Wireless Module, Touch screen and 512MB DDR RAM, R22
AFL-07A-N270/R/1G-R23	7" 500 cd/m² WVGA fanless panel PC with Intel® Atom™ N270 1.6GHz, 802.11b/g/n wireless module, touch screen ,1GB DDR2 533, R23

Note: AFL-07A-LX24V model without power adapter

Options

Model	AFL-07A-LX	AFL-07A-N270
Panel Mounting Kit	AFLPK-12	
Wall Mounting Kit	AFLWK-12	
Rack Mounting Kit	AFLRK-07	
Arm	ARM-11-RS / ARM-31-RS	
Stand	STAND-A08 / STAND-100-RS	
VSTAND	VSTAND-A07	
9~30VDC to 12VDC Converter Module	IDD-930160-KIT	
OS: Win CE 5.0 (128 MB CF card)	AFLCF-07-LX-CE-R21	N/A
OS: Win CE 6.0 (128 MB CF card)	AFLCF-07-LX-CE060-R21	AFLCF-07-N270-CE060-R21
OS: Win XPE (1 GB CF card)	AFLCF-07-LX-XPE-R21	AFLCF-07-N270-XPE-R21
OS: LINUX (2 GB CF card)	AFLCF-07-LX-LNX-R21	AFLCF-07-N270-LNX-R21
OS: Win 7 Embedded (2 GB CF card)	N/A	AFLCF-07-N270-WES7E-R21
Hybrid Card Reader	AFLP-08AMSI-U	
Magnetic Stripe Reader	AFLP-08AMSR-U	
DC 12V Input UPS	AUPS-A10-R10 (7.4V 3800mAH)	
DC 9~36V Input UPS	AUPS-A20-R10 (7.4V 3800mAH)	
Bluetooth V2.0+EDR	AFL-BT-KIT02-R10	

ISMM Support Functions

	Voltage	Fan	Smart Fan	Temperature	WDT	Cash Drawer
AFL-07A-LX	V			V	V	
AFL-07A-N270	V			V	V	

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63000-FSP036RAB608-RS	1	90~264V AC; 12V DC; 36W
Power Cord	32000-000002-RS	1	1750mm; European Standard (EU or US, depending on the shipment country)
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

Note: AFL-07A-LX24V model without power adapter

8.4" SVGA AFOLUX Panel PC

AFL-08AH-LX

AMD Geode™ LX 800 500 MHz Processor

AFL-08AH-N270

Intel® Atom™ N270 1.6GHz Processor

450 nits
High Brightness!

Optional 18V ~30V
Wide DC Power Input

Features

- 8.4" TFT LED Backlight LCD with resistive touch screen
- 18V~30V wide range DC power input (Optional for LX platform)
- Fanless cooling system
- Selectable AT/ATX power mode
- System memory up to 2GB SDRAM
- Built-in 802.11b/g/n Wireless LAN
- Built-in two 1.5 W speakers
- One CompactFlash® slot
- IP64 compliant front panel
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (Suggest over 4GB storage capacity)

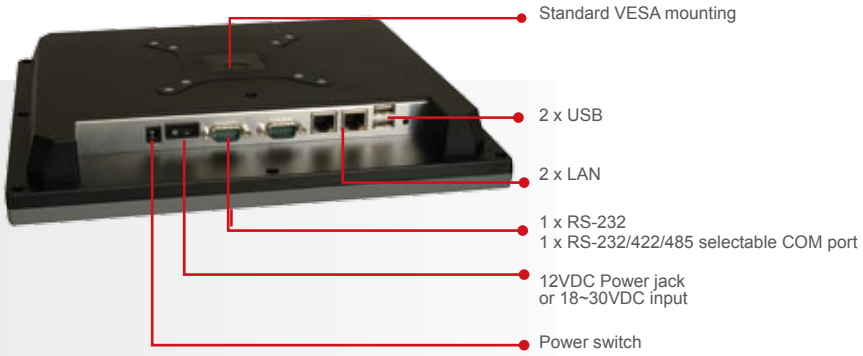
Fanless | Wireless 802.11 b/g | Speakers | F3 One Key Recovery IEI symantec.

Specifications

Model	AFL-08AH-LX / AFL-08AH-LX24V	AFL-08AH-N270
LCD Size	8.4"	
Max Resolution	800 x 600	
Brightness (cd/m²)	450	
Contrast Ratio	600:1	
LCD Color	262K	
Pixel Pitch (mm)	0.213 (H) x 0.213 (V)	
Viewing Angle (H-V)	160° / 140°	
Backlight MTBF	50000 hrs (LED Backlight)	
SBC Model	AFLMB-LX-800	AFLMB-945GSE-N270-R10
CPU	AMD Geode™ LX 800 (500MHz)	Intel® Atom™ process N270 1.6GHz CPU
Chipset	AMD LX 800 + AMD CS5536	Intel® 945GSE + ICH7M
RAM	Supports one 400MHz or 533MHz DDR SO-DIMM (1GB Max.)	Supports one 400MHz or 533MHz DDR2 SO-DIMM (2GB Max.)
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for 10/100Mbps LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for GbE 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x External SATA 1 x Audio Port 1 x Power Jack
SSD	CF Type II	
Watchdog Timer	Software programmable supports 1~255 sec. system reset	
Audio	AMP 1.5W + 1.5W (internal speaker)	
Wireless Connection	1 x Wireless LAN 802.11 b/g Module (internal Mini PCI interface)	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini card interface)
Drive Bay	--	
Construction Front Panel	ABS + PC Plastic front frame	
LED Function	1 x Power on/off LED on front panel	
Mounting	Panel, Wall, Rack, Stand and Arm VESA 75mm x 75mm	
Front Panel Color	Gray 7539U	
Dimensions (WxHxD) (mm)	234 x 184 x 42	
Operation Temperature (°C)	0°C ~ 50°C	-10°C ~50°C
Storage Temperayure (°C)	-20°C ~ 60°C	
N/G Weight	0.8 Kg	
IP Level	Front Frame IP64	
Safety & EMC	CE / FCC	
Touch Screen	4-Wire Resistive Type (touch controller IC is on board)	
Power Adapter	P/N: 63000-FSP036RAB608-RS 36W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC	
Power Requirement	12VDC or 18~30VDC	12VDC
Power Consumption	20W	29W

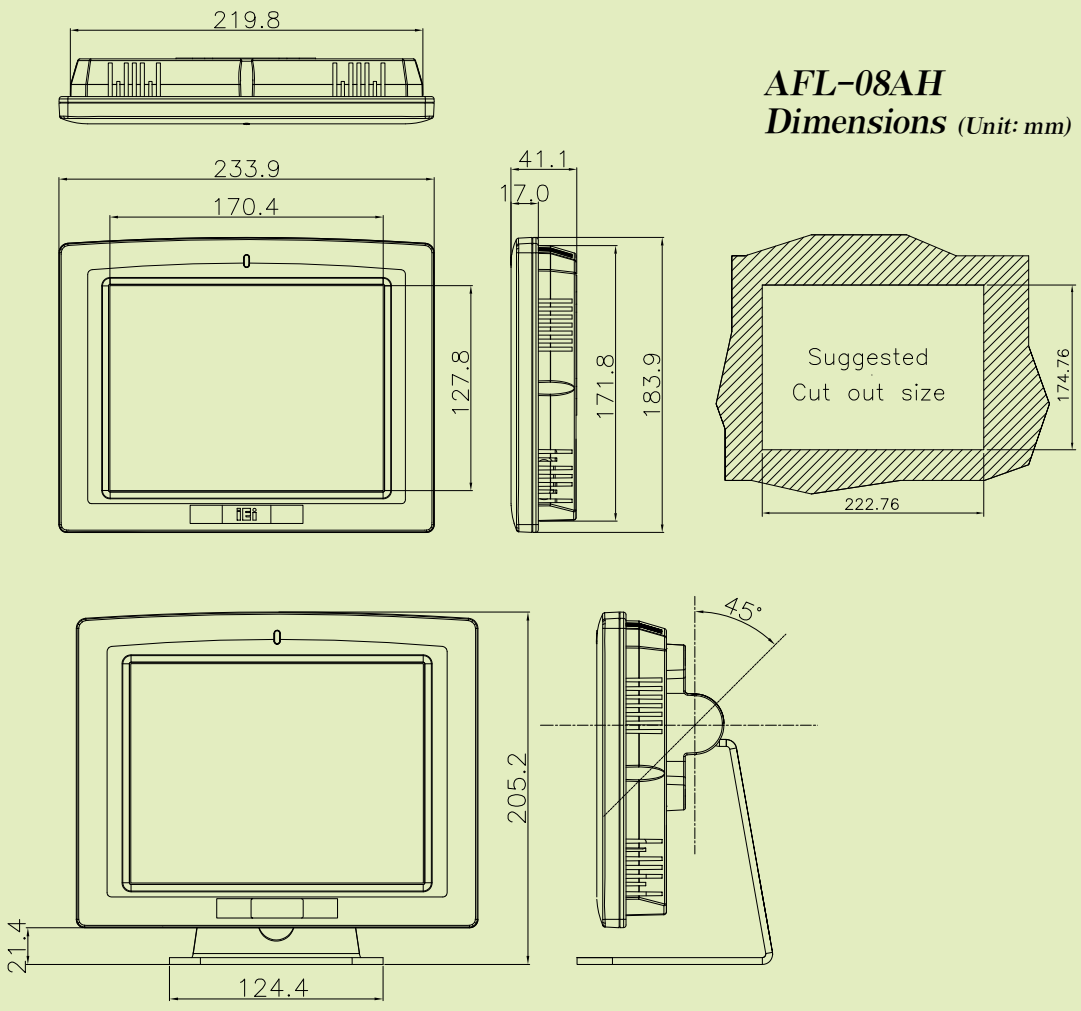
Fully Integrated I/O

• AFL-08AH-LX



• AFL-08AH-N270

AFL-08AH Dimensions (Unit: mm)



Ordering Information

Part Number	Description
AFL-08AH-LX/R/256-R22	8.4" 450 cd/m², SVGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g Wireless Module, Touch screen and 256MB DDR RAM, R22
AFL-08AH-LX/R/512-R22	8.4" 450 cd/m², SVGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g Wireless Module, Touch screen and 512MB DDR RAM, R22
AFL-08AH-LX24V/R/256-R22	8.4" 450 cd/m², SVGA fanless panel PC with AMD LX-800 CPU, 18~30VDC input, AT/ATX mode, 802.11b/g Wireless Module, Touch screen and 256MB DDR RAM, R22
AFL-08AH-LX24V/R/512-R22	8.4" 450 cd/m², SVGA fanless panel PC with AMD LX-800 CPU, 18~30VDC input, AT/ATX mode, 802.11b/g Wireless Module, Touch screen and 512MB DDR RAM, R22
AFL-08AH-N270/R/1G-R23	8.4" 450 cd/m², SVGA fanless panel PC with Intel® Atom™ N270 1.6GHz,802.11b/g/n wireless module, touch screen , 1GB DDR2 533MHz, R23

Note: AFL-08AH-LX24V model without power adapter

Options

Model	AFL-08AH-LX	AFL-08AH-N270
Panel Mounting Kit	AFLPK-12	
Wall Mounting Kit	AFLWK-12	
Rack Mounting Kit	AFLRK-08	
Arm	ARM-11-RS / ARM-31-RS	
Stand	STAND-A08 / STAND-100-RS	
VSTAND	VSTAND-A10	
9~30VDC to 12VDC Converter Module	IDD-930160-KIT	
OS: Win CE 5.0 (128 MB CF card)	AFLCF-08-LX-CE-R21	--
OS: Win CE 6.0 (128 MB CF card)	AFLCF-08-LX-CE060-R21	AFLCF-08-N270-CE060-R21
OS: Win XPE (1 GB CF card)	AFLCF-08-LX-XPE-R21	AFLCF-08-N270-XPE-R21
OS: LINUX (2 GB CF card)	AFLCF-08-LX-LNX-R21	AFLCF-08-N270-LNX-R21
OS: Win 7 Embedded (2GB CF card)	--	AFLCF-08-N270-WES7E-R21
Hybrid Card Reader	AFLP-08AMSI-U	
Magnetic Stripe Reader	AFLP-08AMSR-U	
DC 12V Input UPS	AUPS-A10-R10 (7.4V 3800mAH)	
DC 9~36V Input UPS	AUPS-A20-R10 (7.4V 3800mAH)	
Bluetooth V2.0+EDR	AFL-BT-KIT02-R10	AFL-BT-KIT01-R10

ISMM Supported Functions

	Voltage	Fan	Smart Fan	Temperature	DIO	WDT	Cash Drawer
AFL-08AH-LX	V			V		V	
AFL-08AH-N270	V			V		V	

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63000-FSP036RAB608-RS	1	90~264V AC; 12V DC; 36W
Power Cord	32000-000002-RS	1	1750mm; European Standard (EU or US, depending on the shipment country)
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

Note: AFL-08AH-LX24V model without power adapter

AFL-F08A 8” Flat-bezel Panel PC

The new 8” panel is a full-flat surface touchscreen PC. The AFL-F08A includes all necessary input/output interfaces to control any subsystem or automation hardware in your office, business, or home. The new stylish design is easily integrated into any environment. The front panel is IP64 compliant. An optional projected capacitive touchscreen provides a multi-touch interactive user experience.

Features:

- 8.0” LED TFT LCD with stylish flat-bezel touchscreen
- Optional projected capacitive touchscreen supports multi-touch
- Fanless system with Intel® Atom™ Processor N270 (512K Cache, 1.60 GHz, 533 MHz FSB)
- Hot keys controlled by cap-sensor in the front panel
- Optional color change kit matches the style of any decoration
- Wireless Wi-Fi LAN 802.11 b/g/n
- Built-in 2 megapixel CMOS camera with low-light capability
- Two 1.5W speakers and micophone for multimedia applications
- IP64 compliant front panel
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (suggest with over 4GB storage capacity)

Multi-touch | Wi Fi CERTIFIED | intel Embedded Alliance | Windows 7 | F3 One Key Recovery

Full-flat Surface Touchscreen

The AFL-F08A flat-bezel design covers the entire front frame (bezel) of standard LCD to make the screen and bezel appear to blend together. The seamless flat-bezel touchscreen system offers a stylish and easy to clean surface.

Flat-bezel Advantages:

- **Better visual effects**
- **No edge effect**
- **Sleek and stylish**
- **Easy to clean**

Applications:

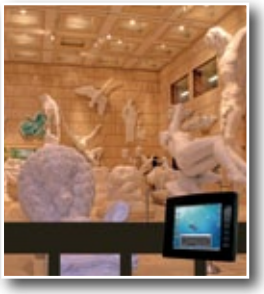
OFFICE

LIVING ROOM

YACHTING

KITCHEN

AUTOMATION

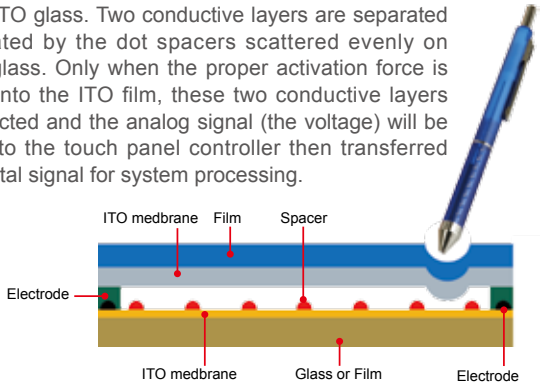


MUSEUM

5-wire Resistive Touch Sensor

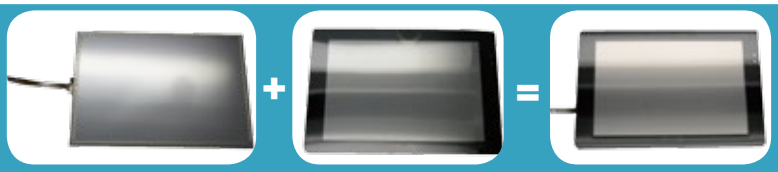
• Operational Theory

There are two major parts of resistive touch panel: ITO film and ITO glass. Two conductive layers are separated and isolated by the dot spacers scattered evenly on the ITO glass. Only when the proper activation force is applied onto the ITO film, these two conductive layers are contacted and the analog signal (the voltage) will be sent out to the touch panel controller then transferred into a digital signal for system processing.



Touch Window Architecture

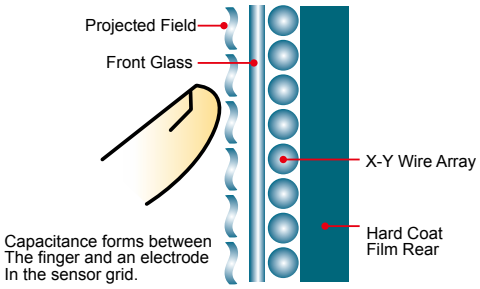
The AFL-F08A utilizes touch window technology which consists of a decorative film overlay mounted in front of the touch panel to achieve the true-flat surface of a flat-bezel touch system.



Projected Capacitive Touch Sensor

• Operational Theory

Projected capacitive touch is based on principle of embedding an array of micro-fine sensing wires within a multi-layer laminated screen behind a protective front surface, ensuring that the sensing medium is well-protected from accidental damage.

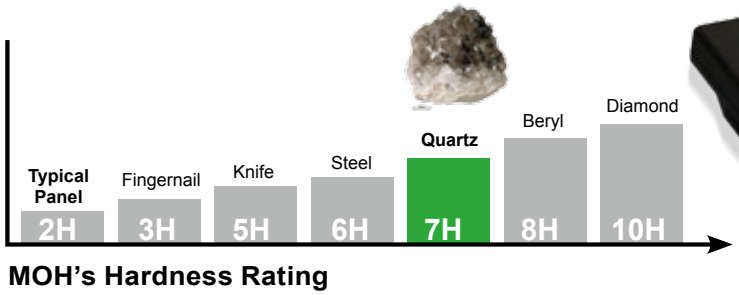


• Windows® 7 with Multi-touch Capability

The AFL-F08A comes with the true multi-touch Microsoft Windows 7 operating system. Windows 7 features improved touch and gesture support. With Windows 7, handwriting recognition is faster, more accurate and with more language support.

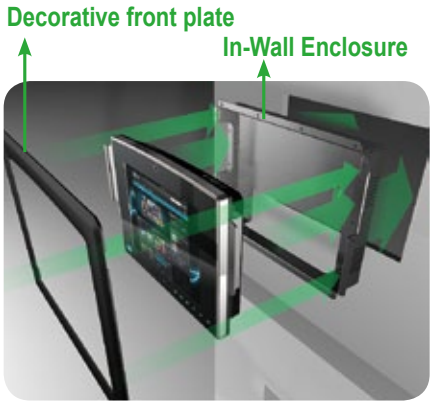
• 7H Anti-scratch Surface (Projected capacitive type touch screen)

Projected Capacitive touch technology utilizes a durable glass front surface. 7H hardness is stronger than the conventional touch panel and therefore is able to protect the screen from damage.



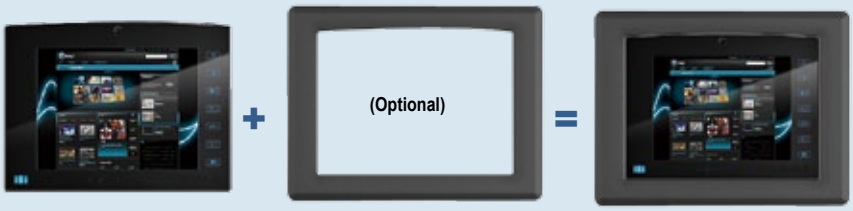
Picture Frame In-Wall Mount

This optional kit includes a decorative front plate and wall mount enclosure to securely house the AFL-F08A panel PC. The enclosure includes knockouts for power and I/O interface cables.



- **Optional Decorative Kit:**

DIM.
300mm x 230mm x 3.7mm



Restaurant Interactive Multi-touch Table Applications

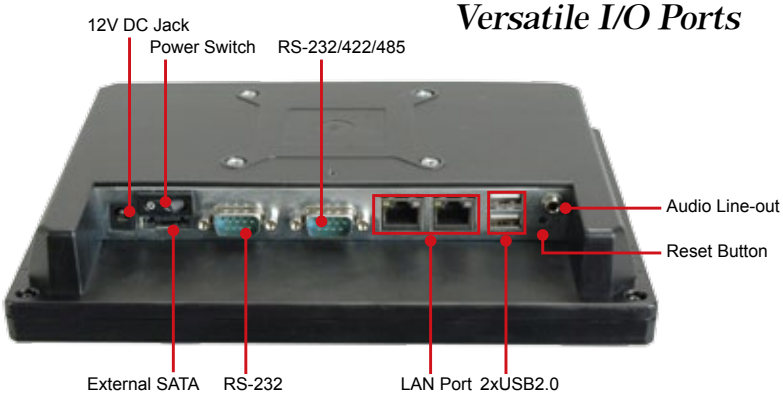
The AFL-F08A interactive system can be mounted in tables from which your customers can order, track and pay for their meal. The terminals can also be used to play digital games while waiting for the food to be served.

Casino Customer Relationship Management Applications

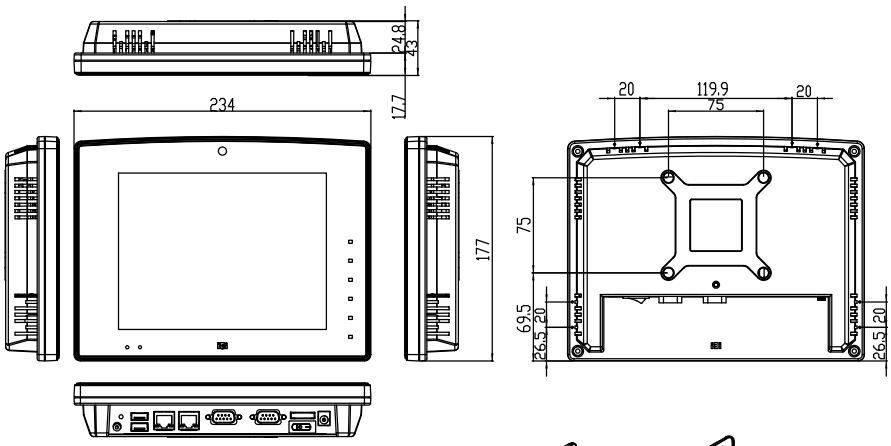
The user friendly all-in-one system helps casino managers and dealers to identify players and to calculate and record winnings. It is easy to connect to peripherals such as card readers and ticket reader/printers. Convenient and reliable communication with system management servers can be achieved through LAN or wireless LAN connection.

Hot Keys Controlled by Cap-Sensor

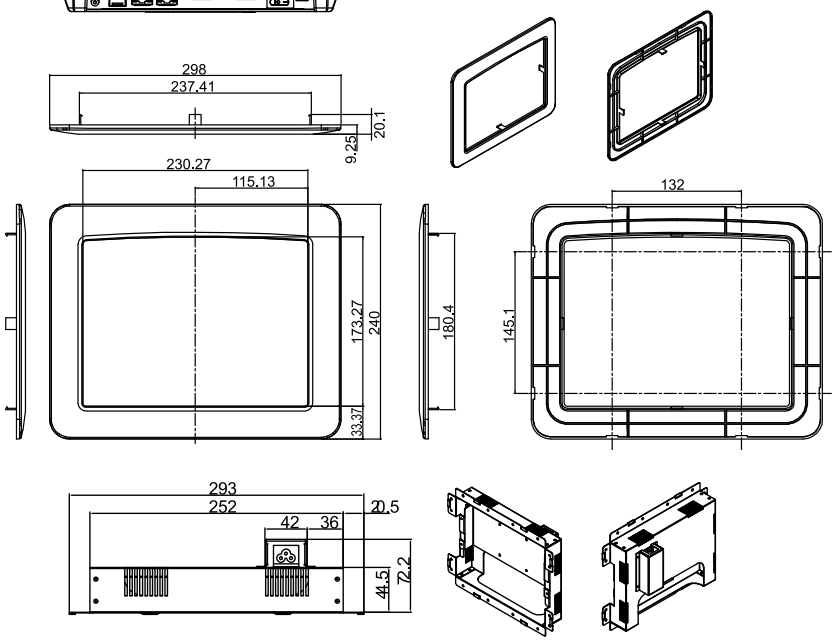
Versatile I/O Ports



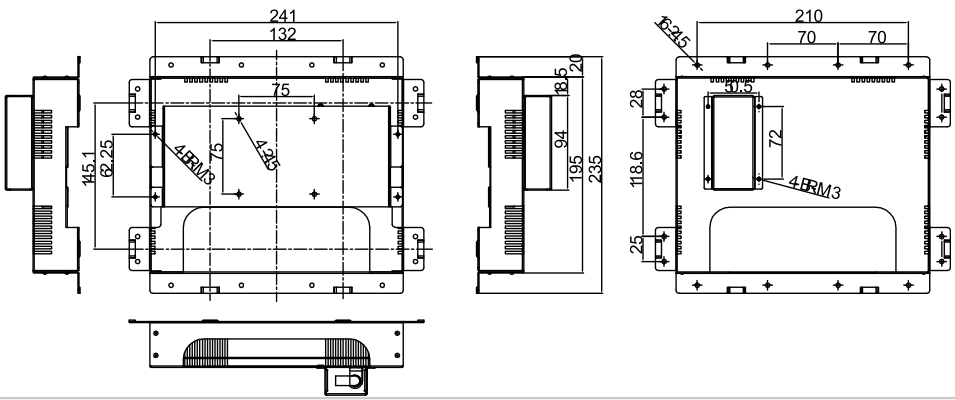
AFL-F08A Dimensions (Unit: mm)



Decoration Kit Dimensions (Unit: mm)



In-Wall Cage Dimensions (Unit: mm)



Specifications

Model	AFL-F08A-N270
LCD Size	8"
Max Resolution	800 x 600
Brightness (cd/m²)	250
Contrast Ratio	500:1
LCD Color	262K
Pixel Pitch (mm)	0.2025 (H) x 0.2025 (V)
Viewing Angle (H-V)	140° / 130°
Backlight MTBF	30000 hrs (LED Backlight)
SBC Model	AFLMB-945GSE-N270-R10
CPU	Intel® Atom™ Processor N270 (512K Cache, 1.60 GHz, 533 MHz FSB)
Chipset	Intel® 945GSE + ICH7M
RAM	Supports one 400MHz or 533MHz DDR2 SO-DIMM (2GB Max.)
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for GbE 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Audio Port (line-out) 1 x 12V DC Power Jack 1 x External SATA
SSD	CF Type II
Watchdog Timer	Software programmable supports 1~255 sec. system reset
Audio	AMP 1.5W + 1.5W (internal speakers)
Wireless Connection	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini interface)
Camera	2 megapixel with Low Light Function and digital microphone
Front Panel Construction	ABS + PC Plastic front frame
Membrane Keypad	LCD on/off, Brightness up/down, Volume up/down by cap-sensor
Mounting	In-Wall, Panel, Wall, Stand and Arm VESA 75mm x 75mm
Front Panel Color	Black
Dimensions (WxHxD) (mm)	234 x 177 x 43
Operation Temperature (°C)	-10°C ~ 50°C
Storage Temperature (°C)	-20°C ~ 60°C
N/G Weight	1.8Kg
IP Level	IP64 compliant front panel
Safety & EMC	CE / FCC
Touch Screen	5 (touch controller IC is on board) or projected capacitive type touch screen
Power Adapter	63000-FSP036RAB608-RS 36W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC
Power Requirement	12VDC
Power Consumption	32W

Ordering Information

	Part Number	Description
Resistive Touch Panel	AFL-F08A-N270/R/1G-R23	8.0" 250cd/m² SVGA fanless panel PC with Intel® Atom™ N270 1.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n Wi-Fi, touch screen, 2MP camera, microphone, R23
Projected Capacitive Multi-Touch Panel	AFL-F08A-N270/PC/1G-R23	8.0" 250cd/m² SVGA fanless panel PC with Intel® Atom™ N270 1.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n Wi-Fi, projected capacitive multi-touch panel screen, 2MP camera, microphone, R23

Options

Item	AFL-F08A-N270/R (Resistive type touch)	AFL-F08A-N270/PC (PCT type touch)
Panel Mounting Kit	AFLPK-12	
Wall Mounting Kit	AFLWK-12	
Rack Mounting Kit	AFLRK-08	
Arm	ARM-11-RS / ARM-31-RS	
Stand	STAND-A08 / STAND-100-RS / STAND-C12	
VSTAND	VSTAND-A10	
9~30VDC to 12VDC converter module	IDD-930160-KIT	
OS: Win CE 6.0 (128 MB CF card)	AFLCF-F08-N270-CE060-R21	
OS: Win XPE (1 GB CF card)	AFLCF-F08-N270-XPE-R21	
OS: LINUX (2 GB CF card)	AFLCF-F08-N270-LNX-R21	
OS: Win 7 Embedded (2 GB CF card)	AFLCF-F08-N270-WES7E-R21	AFLCF-F08-N270-WES7P-R21
Hybrid Card Reader	AFLP-08AMSI-U	
Magnetic Stripe Reader	AFLP-08AMSR-U	
DC 12V Input UPS	AUPS-A10-R10 (7.4V 3800mAH)	
DC 9~36V Input UPS	AUPS-A20-R10 (7.4V 3800mAH)	
In-wall Cage	AFLIWC-F08A-R10	
Bluetooth V2.0+EDR	AFL-BT-KIT02-R10	

Note: Multi-touch function is only supported on Windows 7 on PCT type touch.

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63000-FSP036RAB608-RS	1	90~264V AC; 12V DC; 36W
Power Cord	32000-000002-RS	1	1750mm; European Standard (EU or US, depending on the shipment country)
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

8" SVGA AFOLUX PPC

AFL-08B-N270

Intel® Atom™ Processor N270 1.60 GHz

LED Backlight

Features

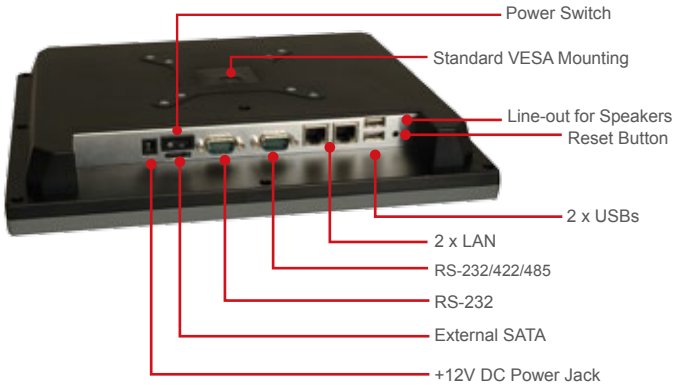
- 8” LED backlight LCD panel with resistive type touch screen
- Built-in 2megapixel camera with low light capability
- Built-in digital microphone
- Selectable AT/ATX power mode via internal switch
- Fanless cooling system
- System memory up to 2 GB SDRAM
- Built-in 802.11b/g/n Wireless LAN
- Built-in two 1.5 W speakers
- One CompactFlash® slot
- IP64 compliant front panel
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (Suggest over 4GB storage capacity)

Fanless | Wireless 802.11 b/g | Speakers | Microphone | Camera | F3 One Key Recovery

Specifications

Model	AFL-08B-N270
LCD Size	8"
Max Resolution	800 x 600
Brightness (cd/m²)	250
Contrast Ratio	400 : 1
LCD Color	262K
Pixel Pitch (mm)	0.2025 (H) x 0.2025 (V)
Viewing Angle (H-V)	140° / 130°
Backlight MTBF	30000 hrs (LED backlight)
SBC Model	AFLMB-945GSE-N270-R10
CPU	Intel® Atom™ Processor N270 (512K L2 Cache, 1.60 GHz, 533 MHz FSB)
Chipset	Intel® 945GSE + ICH7M
RAM	Supports one 400MHz or 533MHz DDR2 SO-DIMM (2GB Max.)
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for GbE 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x External SATA 1 x Audio Port 1 x Power Jack
SSD	CF Type II
Watchdog Timer	Software programmable supports 1~255 sec. system reset
Audio	AMP 1.5W + 1.5W (internal speakers)
Camera Module	2megapixel camera with digital microphone
Wireless Connection	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini card interface)
Construction Front Panel	ABS + PC Plastic front frame
LED Function	1 x Power on/off LED on front panel
Mounting	Panel, Wall, Rack, Stand and Arm VESA 75mm x 75mm
Front Panel Color	Gray 7539U
Dimensions (WxHxD) (mm)	234 x 177 x 43
Operation Temperature (°C)	-10°C ~50°C
Storage Temperayure (°C)	-20°C ~60°C
N/G Weight	0.8 Kg
IP Level	IP64 compliant front panel
Safety & EMC	CE / FCC
Touch Screen	5-wire resistive type (touch controller IC is on board)
Power Adapter	P/N: 63000-FSP036RAB608-RS 36W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC
Power Requirement	12VDC
Power Consumption	25W

Fully Integrated I/O



LED-backlight PPC Delivers Vivid Images

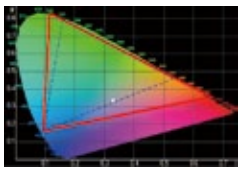
The AFL-08B-N270 is the first panel PC with its compact size to incorporate a LED backlight - making viewing and editing photos a lot better than previous CCFL illumination models.

LED backlighting PPC displays clear and vivid pictures!

Enhancement of image quality on LCD screen

- Wider color gamut
- More even screen illumination
- Longer display life
- Low temperature operation and greater power efficiency

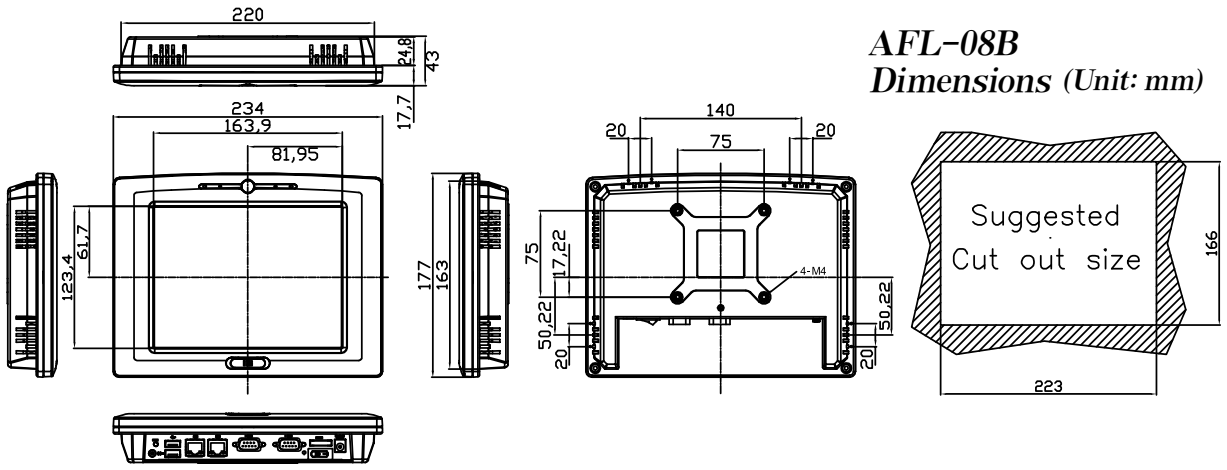
Color Gamut Comparison



LED
Normal CCFL

The LED backlight makes the image color shown on the LCD screen look nature and vivid.

AFL-08B Dimensions (Unit: mm)



Ordering Information

Part Number	Description
AFL-08B-N270/R/1G-R23	8" 250 cd/m², SVGA fanless panel PC with Intel® Atom™ N270 1.6GHz,802.11b/g/n wireless module, touch screen, 2megapixel camera with digital microphone, 1GB DDR2 533MHz, R23

Options

Item	P/N
Panel Mounting Kit	AFLPK-12
Wall Mounting Kit	AFLWK-12
Rack Mounting Kit	AFLRK-08
Arm	ARM-11-RS / ARM-31-RS
Stand	STAND-A08 / STAND-100-RS
VSTAND	VSTAND-A10
9~30VDC to 12VDC converter module	IDD-930160-KIT
OS: Win CE 6.0 (128 MB CF card)	AFLCF-08-N270-CE060-R21
OS: Win XPE (1 GB CF card)	AFLCF-08-N270-XPE-R21
OS: LINUX (2 GB CF card)	AFLCF-08-N270-LNX-R21
OS: Win 7 Embedded (2GB CF card)	AFLCF-08-N270-WES7E-R21
Hybrid Card Reader	AFLP-08BMSI-U
Magnetic Stripe Reader	AFLP-08BMSR-U
DC 12V Input UPS	AUPS-A10-R10 (7.4V 3800mAH)
DC 9~36V Input UPS	AUPS-A20-R10 (7.4V 3800mAH)
Bluetooth V2.0+EDR	AFL-BT-KIT02-R10

Note: Win CE application without digital microphone function

ISMM Supported Functions

	Voltage	Fan	Smart Fan	Temperature	WDT	Cash Drawer
AFL-08B-N270	V			V	V	

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63000-FSP036RAB608-RS	1	90~264V AC; 12V DC; 36W
Power Cord	32000-000002-RS	1	1750mm (EU or US, depending on the shipment country)
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

Wide 10.2" WSVGA AFOLUX PPC

AFL-W10A-N270

Intel® Atom™ Processor N270 1.60 GHz

New Wide Screen

Features

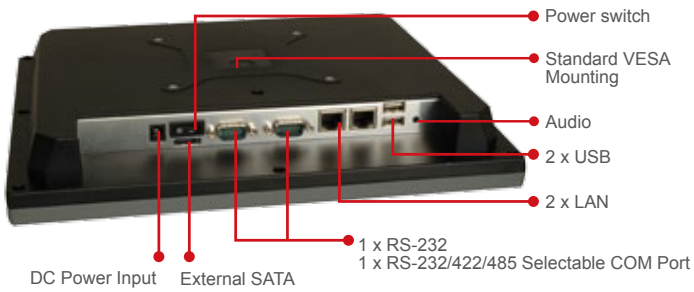
- Wide 10.2” TFT LCD with resistive touch screen
- Fanless cooling system
- Built-in 2megapixel camera with digital microphone module
- Selectable AT/ATX power mode through the switch inside the chassis
- System memory up to 2 GB SDRAM
- Built-in 802.11b/g/n wireless LAN
- Built-in two 1.5 W speakers
- One CompactFlash® slot
- IP 64 compliant front panel
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (Suggest over 4GB storage capacity)

Fanless | Wireless 802.11 b/g | Speakers | F3 One Key Recovery | iEi symantec.

Specifications

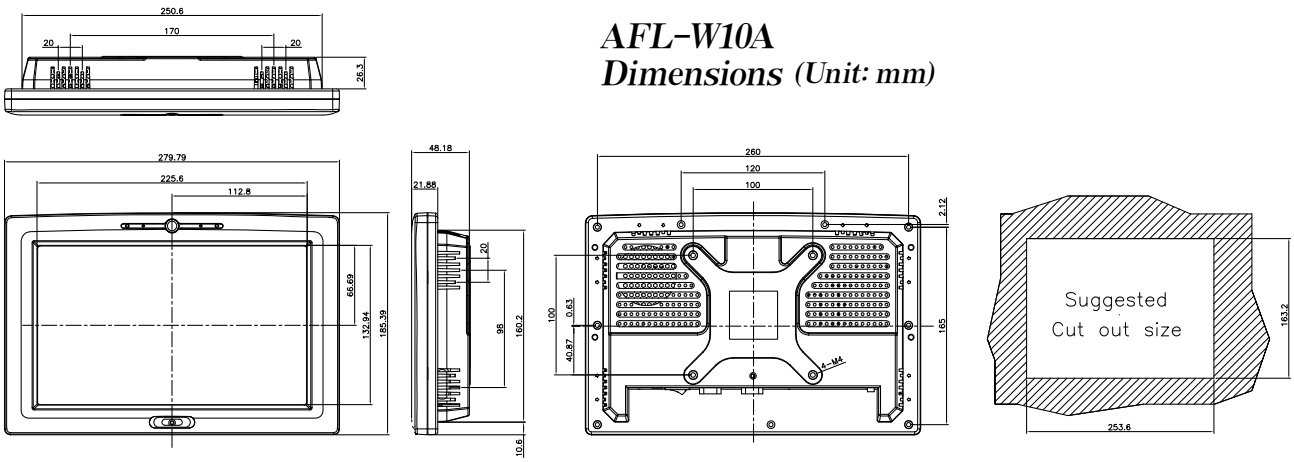
Model	AFL-W10A-N270
LCD Size	Wide 10.2"
Max Resolution	1024 x 600
Brightness (cd/m²)	400
Contrast Ratio	400: 1
LCD Color	262K
Pixel Pitch (mm)	0.2175 mm (H) x 0.2175 mm (V)
Viewing Angle (H-V)	140° / 120°
Backlight MTBF	40000 hrs
SBC Model	AFLMB-945GSE-N270-R10
CPU	Intel® Atom™ processor N270 1.6GHz CPU
Chipset	Intel® 945GSE + ICH7M
RAM	Supports one 400 MHz or 533MHz DDR2 SO-DIMM (2GB Max.)
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for GbE 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x External SATA 1 x Audio Port 1 x Power Jack
SSD	CF Type II
Watchdog Timer	Software programmable supports 1~255 sec. system reset
Audio	AMP 1.5W + 1.5W (internal speakers)
Camera Module	2megapixel with digital microphone
Wireless Connection	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini card interface)
Construction Front Panel	ABS + PC Plastic front frame
LED Function	1 x Power on/off LED on front panel
Mounting	Panel, Wall, Rack, Stand and Arm VESA 100mm x 100mm
Front Panel Color	Gray 7539U
Dimensions (WxHxD) (mm)	280 x 186 x 49
Operation Temperature (ºC)	-10ºC ~50ºC
Storage Temperayure (ºC)	-20ºC ~ 60ºC
N/G Weight	1.4 Kg
IP Level	Front Frame IP64
Safety & EMC	CE / FCC
Touch Screen	5-wire resistive type (touch controller IC is on board)
Power Adapter	P/N: 63000-FSP036RAB608-RS 36W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC
Power Requirement	12VDC
Power Consumption	28W

Fully Integrated I/O



Building Automation/Access Control System

AFL-W10A Dimensions (Unit: mm)



Ordering Information

Part Number	Description
AFL-W10A-N270/R/1G-R32	10.2" 400 cd/m², WSVGA fanless panel PC with Intel® Atom™ N270 1.6GHz, 802.11b/g/n wireless module, touch screen, 2megapixel camera with digital microphone, 1GB DDR2 533, R32

Options

Model		AFL-W10A-N270
Panel Mounting Kit		AFLPK-12
Wall Mounting Kit		AFLWK-19
Rack Mounting Kit		AFLRK-W10
Arm		ARM-11-RS / ARM-31-RS
Stand		STAND-A12 / STAND-100-RS
VSTAND		VSTAND-A10
9~30VDC to 12VDC Converter Module		IDD-930160-KIT
OS	Win CE 6.0 (128 MB CF card)	AFLCF-W10-N270-CE060-R21
	Win XPE (1 GB CF card)	AFLCF-W10-N270-XPE-R21
	LINUX (2 GB CF card)	AFLCF-W10-N270-LNX-R21
	Win 7 Embedded (2GB CF card)	AFLCF-W10-N270-WES7E-R21
Hybrid Card Reader		AFLP-10AMSI-U
Magnetic Stripe Reader		AFLP-10AMSR-U
DC 12V Input UPS		AUPS-B10-R10 (7.4V 3800mAH)
DC 9~36V Input UPS		AUPS-B20-R10 (7.4V 3800mAH)
Bluetooth V2.0+EDR		AFL-BT-KIT02-R10

ISMM Supported Functions

	Voltage	Fan	Smart Fan	Temperature	DIO	WDT	Beep	Cash Drawer
AFL-W10A-N270	V			V		V		

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3; 5mm
Power Adpater	63000-FSP036RAB608-RS	1	90~264V AC; 12V DC; 36W
Power Cord	32000-000002-RS	1	1750mm; European Standard (EU or US, depending on the shipment country)
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

Note: Win CE application without digital microphone function

10.4" SVGA AFOLUX Panel PC

AFL-10A-LX

AMD Geode™ LX 800 500 MHz Processor

AFL-10A-N270

Intel® Atom™ N270 1.6GHz Processor

Features

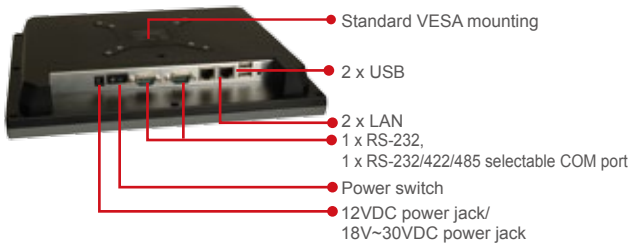
- 10.4" TFT LED backlight LCD with resistive touch screen
- Selectable AT/ATX power mode through the switch inside the chassis
- Fanless cooling system
- System memory up to 2GB SDRAM
- 18V~30V wide range DC power input (optional for LX platform)
- One CompactFlash® slot
- IP 64 compliant front panel
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (Suggest over 4GB storage capacity)

Specifications

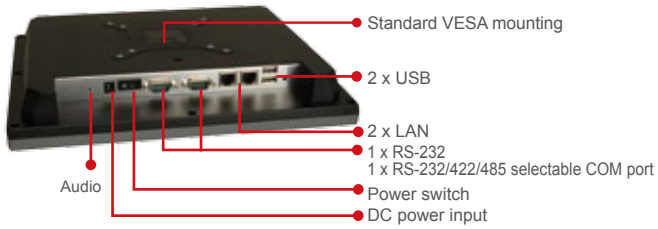
Model	AFL-10A-LX / AFL-10A-LX24V	AFL-10A-N270
LCD Size	10.4"	
Max Resolution	800 x 600	
Brightness (cd/m²)	400	
Contrast Ratio	700:1	
LCD Color	262K	
Pixel Pitch (mm)	0.264 (H) x 0.264 (V)	
Viewing Angle (H-V)	160° / 140°	
Backlight MTBF	50000 hrs (LED Backlight)	
SBC Model	AFLMB-LX-800	AFLMB-945GSE-N270-R10
CPU	AMD Geode™ LX 800 (500MHz)	Intel® Atom™ processor N270 1.6GHz CPU
Chipset	AMD LX 800 + AMD CS5536	Intel® 945GSE + ICH7M
RAM	Supports one 333MHz or 400MHz DDR2 SO-DIMM (1GB Max.)	Supports one 400MHz or 533MHz DDR2 SO-DIM (2GB Max.)
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for 10/100Mbps LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Port	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for Giga LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x External SATA 1 x Audio Port 1 x Power Jack
SSD	CF Type II	
Watchdog Timer	Software programmable supports 1~255 sec. system reset	
Audio	AMP 1.5W + 1.5W (internal speakers)	
Wireless Connection	1 x Wireless LAN 802.11 b/g Module (internal Mini PCI interface)	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini card interface)
Drive Bay	--	
Construction Front Panel	ABS + PC Plastic front frame	
LED Function	1 x Power on/off LED on front panel	
Mounting	Panel, Wall, Rack, Stand and Arm VESA 75mm x 75mm / 100mm x 100mm	
Front Panel Color	Gray 7539U	
Dimensions (WxHxD) (mm)	276 x 222 x 51	
Operation Temperature (°C)	0°C ~ 50°C	-10°C ~50°C
Storage Temperayure (°C)	-20°C ~ 60°C	
N/G Weight	1.4 Kg	
IP Level	Front Frame IP64	
Safety & EMC	CE / FCC	
Touch Screen	5-wire resistive type (touch controller IC is on board)	
Power Adapter	P/N: 63000-FSP036RAB608-RS 36W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC	P/N: 63000-FSP036RAB608-RS 36W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC
Power Requirement	12VDC/18~30VDC	12VDC
Power Consumption	25W	28W

Fully Integrated I/O

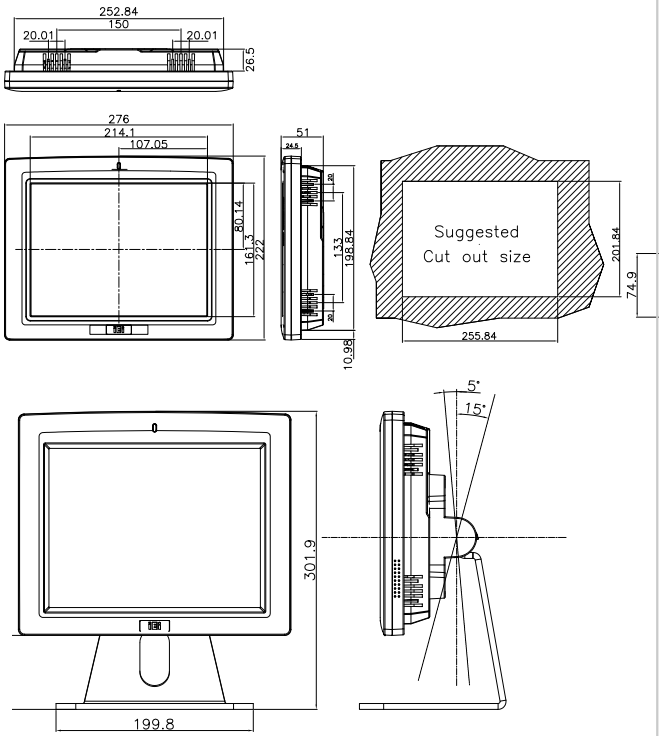
- **AFL-10A-LX**



- **AFL-10A-N270**



AFL-10A Dimensions (Unit: mm)



Ordering Information

Part Number	Description
AFL-10A-LX/R/256-R22	10.4" 400 cd/m², SVGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g wireless module,Touch screen and 256MB DDR RAM, R22
AFL-10A-LX/R/512-R22	10.4" 400 cd/m², SVGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g wireless module,Touch screen and 512MB DDR RAM, R22
AFL-10A-LX24V/R/256-R22	10.4" 400 cd/m², SVGA fanless panel PC with AMD LX-800 CPU, 18~30VDC input,AT/ATX mode, 802.11b/g wireless module, Touch screen and 256MB DDR RAM, R22
AFL-10A-LX24V/R/512-R22	10.4" 400 cd/m², SVGA fanless panel PC with AMD LX-800 CPU, 18~30VDC input,AT/ATX mode, 802.11b/g wireless module, Touch screen and 512MB DDR RAM, R22
AFL-10A-N270/R/1G-R23	10.4" 400cd/m² SVGA fanless panel PC with Intel® Atom™ N270 1.6GHz, 802.11b/g/n wireless module, touch screen,1GB DDR2 533,R23

Note: AFL-10A-LX24V model is without power adapter

Options

Model	AFL-10A-LX	AFL-10A-N270
Panel Mounting Kit	AFLPK-12	
Wall Mounting Kit	AFLWK-12	
Rack Mounting Kit	AFLRK-10	
Arm	ARM-11-RS / ARM-31-RS	
Stand	STAND-A12 / STAND-100-RS	
VSTAND	VSTAND-A10	
9~30VDC to 12VDC Converter Module	IDD-930160-KIT	
OS: Win CE 5.0 (128 MB CF card)	AFLCF-10-LX-CE-R21	--
OS: Win CE 6.0 (128 MB CF card)	AFLCF-10-LX-CE060-R21	AFLCF-10-N270-CE060-R21
OS: Win XPE (1 GB CF card)	AFLCF-10-LX-XPE-R21	AFLCF-10-N270-XPE-R21
OS: LINUX (2 GB CF card)	AFLCF-10-LX-LNX-R21	AFLCF-10-N270-LNX-R21
OS: Win 7 Embedded (2GB CF card)	--	AFLCF-10-N270-WES7E-R21
Hybrid Card Reader	AFLP-10AMSI-U	
Magnetic Stripe Reader	AFLP-10AMSR-U	
DC 12V Input UPS	AUPS-A10-R10 (7.4V 3800mAH)	
DC 9~36V Input UPS	AUPS-A20-R10 (7.4V 3800mAH)	
Bluetooth V2.0+EDR	AFL-BT-KIT02-R10	

ISMM Supported Functions

	Voltage	Fan	Smart Fan	Temperature	DIO	WDT	Cash Drawer
AFL-10A-LX	V			V		V	
AFL-10A-N270	V			V		V	

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63000-FSP036RAB608-RS	1	90~264V AC; 12V DC; 36W
Power Cord	32000-000002-RS	1	1750mm; European Standard
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

Note: AFL-10A-LX24V model is without power adapter

12.1" XGA AFOLUX Panel PC

AFL-12A-LX

AMD Geode™ LX 800 500 MHz Processor

AFL-12A-N270

Intel® Atom™ Processor N270 1.6GHz Processor

Features

- 12.1" TFT LED backlight LCD with resistive touch screen
- Fanless cooling system
- 18V~30V wide range DC power input (optional for LX platform)
- Selectable AT/ATX power mode through the switch inside the chassis
- One CompactFlash® slot
- IP 64 compliant front panel
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (Suggest over 4GB storage capacity)

Specifications

Model	AFL-12A-LX / AFL-12A-LX24V	AFL-12A-N270
LCD Size	12.1"	
Max Resolution	1024 x 768	1024 x 768
Brightness (cd/m²)	500	500
Contrast Ratio	700 : 1	700 : 1
LCD Color	262K	
Pixel Pitch (mm)	0.240 (H) x 0.240 (V)	
Viewing Angle (H-V)	160° / 160°	160° / 160°
Backlight MTBF	50000 (LED Backlight)	
SBC Model	AFLMB-LX-800	AFLMB-945GSE-N270-R10
CPU	AMD Geode™ LX 800 (500MHz)	Intel® Atom™ processor N270 1.6GHz CPU
Chipset	AMD LX 800 + AMD CS5536	Intel® 945GSE + ICH7M
RAM	Supports one 333MHz or 400MHz DDR SO-DIMM (1GB Max.)	Supports one 400MHz or 533MHz DDR2 SO-DIMM (2GB Max.)
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for 10/100Mbps LAN 2 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Power Jack 1 x Audio Port	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x External SATA 1 x Audio Port 1 x Power Jack
SSD	CF Type II	
Watchdog Timer	Software programmable supports 1~255 sec. system reset	
Audio	AMP 1.5W + 1.5W (internal speaker)	
Wireless Connection	1 x Wireless LAN 802.11 b/g Module (internal Mini PCI interface)	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini card interface)
Drive Bay	1 x 2.5" IDE HDD bay	1 x 2.5" SATA HDD bay
Construction Front Panel	ABS + PC Plastic front frame	
LED Function	1 x Power on/off LED on front panel	1 x Power on/off LED on front panel
Mounting	Panel, Wall, Rack, Stand and Arm VESA 75mm x 75mm / 100mm x 100mm	
Front Panel Color	Gray 7539U	
Dimensions (WxHxD) (mm)	304 x 246 x 50	304 x 246 x 50
Operation Temperature (°C)	0°C ~ 50°C	0°C ~40°C with SATA HDD -10°C ~50°C with CF Card or SATA interface 2.5" SSD HDD
Storage Temperayure (°C)	-20°C ~ 60°C	
N/G Weight	1.8 Kg	
IP Level	Front Frame IP64	
Safety & EMC	CE / FCC	
Touch Screen	5-wire resistive type (touch controller IC is on board) or Capacitive type touch screen without HDD bay	
Power Adapter	P/N: 63000-FSP036RAB608-RS 36W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC	P/N: 63000-FSP050DBAB1405-RS 50W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC
Power Requirement	12VDC/18~30VDC	12VDC
Power Consumption	29W	32W

Fully Integrated I/O

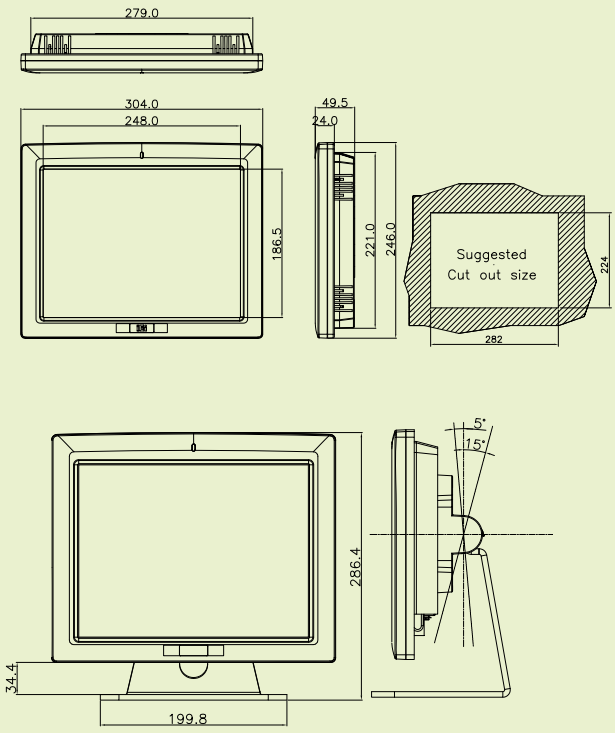
• AFL-12A-LX

- Standard VESA mounting
- 2 x USB
- 2 x LAN
- 1 x RS-232
  1 x RS-232/422/485 selectable COM port
- Power switch
- DC power input
  or 18~30VDC input

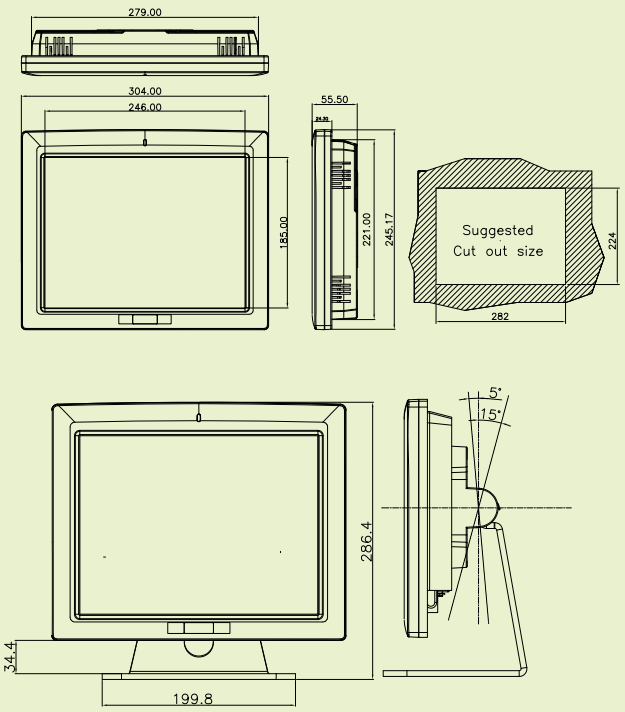
• AFL-12A-N270

- Standard VESA mounting
- 4 x USB
- 2 x LAN
- 1 x RS-232
  1 x RS-232/422/485 selectable COM port
- Power switch
- DC power input
- Audio

AFL-12A Dimensions (Unit: mm)



AFL-12B Dimensions (Unit: mm)



Ordering Information

Part Number	Description
AFL-12A-LX/R/256-R22	12.1" 500 cd/m², XGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g wireless module, touch screen and 256MB DDR RAM, R22
AFL-12A-LX/R/512-R22	12.1" 500 cd/m², XGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g wireless module, touch screen and 512MB DDR RAM, R22
AFL-12A-LX24V/R/256-R22 *18V~30VDC!*	12.1" 500 cd/m², XGA fanless panel PC with AMD LX-800 CPU, 18~30VDC input, AT/ATX mode, 802.11b/g wireless module, touch screen and 256MB DDR RAM, R22
AFL-12A-LX24V/R/512-R22	12.1" 500 cd/m², XGA fanless panel PC with AMD LX-800 CPU, 18~30VDC input, AT/ATX mode, 802.11b/g wireless module, touch screen and 512MB DDR RAM, R22
AFL-12A-N270/R/1G-R23	12.1" 500 cd/m², XGA fanless panel PC with Intel® Atom™ N270 1.6GHz, 802.11b/g/n wireless module, capitalize touch screen, 1GB DDR2 533MHz, R23

Note 1 : Capacitive type touch screen is upgradable.
Note 2: AFL-12A-LX24V model is without power adapter

Options

Model	AFL-12A-LX	AFL-12A-N270
Panel Mounting Kit	AFLPK-12	
Wall Mounting Kit	AFLWK-12	
Rack Mounting Kit	AFLRK-12	
Arm	ARM-11-RS / ARM-31-RS	
Stand	STAND-A12 / STAND-POS12 / STAND-100-RS	
VSTAND	VSTAND-A12	
9~30VDC to 12VDC Converter Module	IDD-930160-KIT	
OS: Win CE 5.0 (128 MB CF card)	AFLCF-12-LX-CE-R21	--
OS: Win CE 6.0 (128 MB CF card)	AFLCF-12-LX-CE060-R21	AFLCF-12-N270-CE060-R21
OS: Win XPE (1 GB CF card)	AFLCF-12-LX-XPE-R21	AFLCF-12-N270-XPE-R21
OS: LINUX (2 GB CF card)	AFLCF-12-LX-LNX-R21	AFLCF-12-N270-LNX-R21
OS: Win 7 Embedded (2GB CF card)	--	AFLCF-12-N270-WES7E-R21
Hybrid Card Reader	AFLP-12AMSI-U	
Magnetic Stripe Reader	AFLP-12AMSR-U	
DC 12V Input UPS	AUPS-A10-R10 (7.4V 3800mAH)	
DC 9~36V Input UPS	AUPS-A20-R10 (7.4V 3800mAH)	
Bluetooth V2.0+EDR	AFL-BT-KIT02-R10	AFL-BT-KIT03-R10

ISMM Supported Functions

	Voltage	Fan	Smart Fan	Temperature	DIO	WDT	Cash Drawer
AFL-12A-LX	V			V		V	
AFL-12A-N270	V			V		V	

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63000-FSP036RAB608-RS 63000-FSP050DBAB1405-RS	1	90~264V AC; 12V DC; 36W (for LX) 90~264V AC; 12V DC; 50W (for LXPOS, N270)
Power Cord	32000-000002-RS	1	1750mm; European Standard
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

Note: AFL-LX24V model is without power adapter

15” XGA AFOLUX Panel PC

AFL-15A(E)-N270

Intel® Atom™ Processor N270 1.6GHz

Features

- 15" TFT LCD with resistive touch screen
- System memory up to 2 GB RAM
- Built-in 802.11b/g (or 802.11 b/g/n) wireless LAN
- Selectable AT/ATX power mode through the switch inside the chassis
- Built-in two speakers
- One CompactFlash® slot
- IP 64 compliant front panel
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (over 4GB storage capacity is suggested)

Specifications

Model	AFL-15A(E)-N270 Fanless
LCD Size	15”
Max Resolution	1024 x 768
Brightness (cd/m²)	350 or 250
Contrast Ratio	700:1 or 600:1
LCD Color	262K or 16.7M
Pixel Pitch (mm)	0.297(H) x 0.297(V)
Viewing Angle (H-V)	140º/125º or 160º/160º
Backlight MTBF	50000 or 40000 hrs
SBC Model	AFLMB2-945GSE-N270-R10
CPU	Intel® Atom™ processor N270 1.6GHz CPU
Chipset	Intel® 945GSE + ICH7M
RAM	Supports one 400MHz or 533MHz DDR2 SO-DIMM (2GB Max.)
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for GbE 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Audio Port (line-out) 1 x VGA Port 1 x Power Jack
SSD	CF Type II
Watchdog Timer	Software programmable supports 1~255 sec. system reset
Audio	AMP 1.5W + 1.5W (internal speakers)
Wireless Connection	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini interface)
ODD Drive Bay	N/A
Construction Front Panel	ABS + PC Plastic front frame
LED Function	1 x Power on/off LED on front panel
Mounting	Panel, Wall, Rack, Stand and Arm, VESA 100mm x 100mm
Front Panel Color	Sliver (877U) & Gray (ABSA2037)
Dimensions (WxHxD) (mm)	394 x 309 x 61
Operation Temperature (°C)	0°C ~40°C with SATA HDD -10°C ~50°C with CF Card or SATA interface 2.5” SSD HDD
Storage Temperature (°C)	-20°C ~ 60°C
N/G Weight	3.2 Kg
IP Level	Front Frame IP64
Safety & EMC	CE / FCC
Touch Screen	5-wire resistive type (Touch controller IC is on board) or Capacitive type touch screen without HDD bay
Power Adapter	P/N: 63000-FSP060DBAB1554-RS 60W Power Adapter Input: 90VAC~264VAC, 50/60Hz / Output: 12VDC
Power Requirement	12VDC
Power Consumption	49W

15" XGA AFOLUX Panel PC

AFL-15i(E)-HM55

Intel® Core i7-620M 2.66GHz Processor

Dual Independent Display!

NEW Features in HM55 Platform :

- Powered by high performance 2.66 GHz Intel® Core i7-620M CPU with Intel® HM55 chipset
- DDR3 1066MHz system memory up to 4GB
- HDMI/VGA port delivers high quality image on the second display
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (over 4GB storage capacity is suggested)

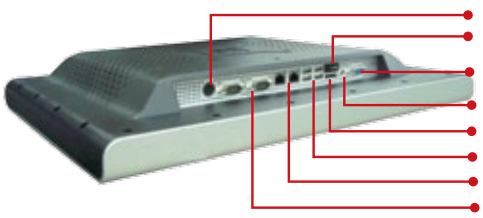
Wireless 802.11 b/g | Speakers | F3 One Key Recovery | iEi symantec.

Specifications

Model	AFL-15i(E)-HM55
LCD Size	15"
Max Resolution	1024 x 768
Brightness (cd/m²)	350 or 250
Contrast Ratio	700:1 or 600:1
LCD Color	262K or 16.7M
Pixel Pitch (mm)	0.297(H) x 0.297(V)
Viewing Angle (H-V)	140°/125° or 160°/160°
Backlight MTBF	50000 hrs or 40000 hrs
SBC Model	AFLMB2-HM55-R10
CPU	Socket G (PGA989A) Intel® Core™ i series
Chipset	Intel® HM55
RAM	Two 204-pin 800/1066MHz DDR3 dual-channel SO-DIMMs supported (system max. 8GB)
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Audio Port (Line-out) 1 x VGA 1 x Power Jack 1 x HDMI Port
SSD	SATA SSD
Watchdog Timer	Software programmable supports 1~255 sec. system reset
Audio	AMP 3W + 3W (internal speakers)
Wireless Connection	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini card interface)
Drive Bay	1 x 2.5" SATA HDD bay
Construction Front Panel	ABS + PC Plastic front frame
Membrane Keypad	LCD on/off, Brightness up/down, Volume up/down (5 keys)
LED Function	1 x Power on/off LED on front panel
Mounting	Panel, Wall, Rack, Stand and Arm VESA 100mm x 100mm
Front Panel Color	Sliver (877U) & Gray (ABSA2037)
Dimensions (WxHxD) (mm)	394 x 309 x 66
Operation Temperature (°C)	0°C~50°C
Storage Temperayure (°C)	-20°C ~ 60°C
N/G Weight	5.8 Kg
IP Level	Front Frame IP64
Touch Screen	Resistive Type 5-Wire (Touch controller IC is on board) or Capacitive type touch screen without HDD bay
Power Adapter	P/N: 63000-FSP096AHB-RS 96W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC
Power Requirement	12VDC
Power Consumption	80W

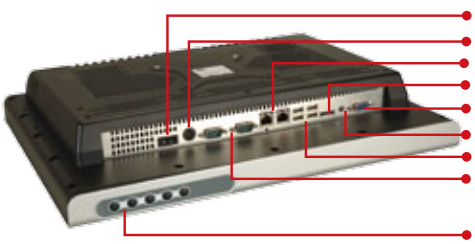
Fully Integrated I/O

• AFL-15A-915 / AFL-15A-N270



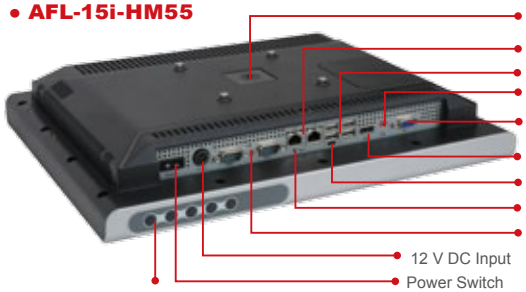
- 12V DC Input
- Power Switch
- VGA Output
- Line-out
- External SATA (for 915)
- 4 x USB 2.0
- 2 x LAN
- 1 x RS-232
- 1 x RS-232/422/485

• AFL-15C-965



- Power Switch
- 12V DC Input
- External SATA
- 2 x LAN
- VGA Output
- Audio
- 4 x USB 2.0
- 1 x RS-232
- 1 x RS-232/422/485
- Membrane Keypad

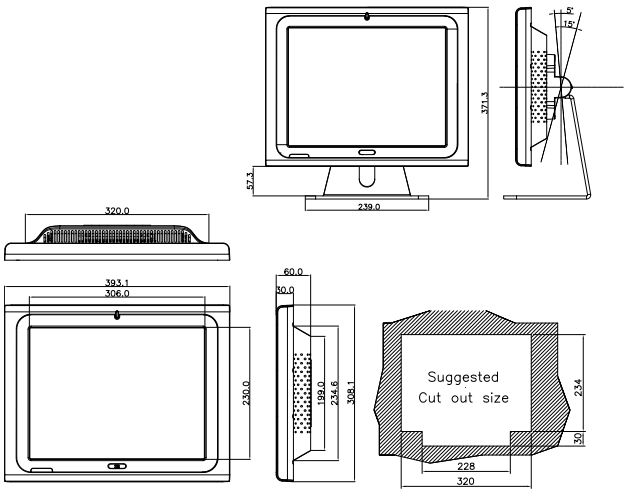
• AFL-15i-HM55



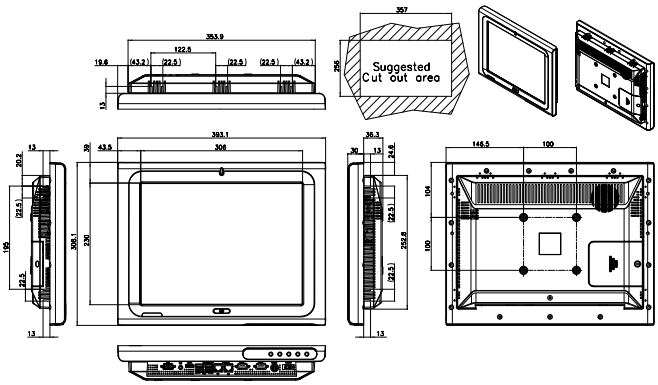
- VESA 100 x 100
- 2 x RJ-45 Giga LAN
- 4 x USB 2.0
- 1 x Line-out
- 1 x VGA
- 1 x HDMI
- AT/ATX Switch
- Reset Button
- 1 x RS-232
- 1 x RS-232/422/485
- 12 V DC Input
- Power Switch

Membrane Keypad
• LCD on/off • Brightness up
• Volume up • Brightness down • Volume down

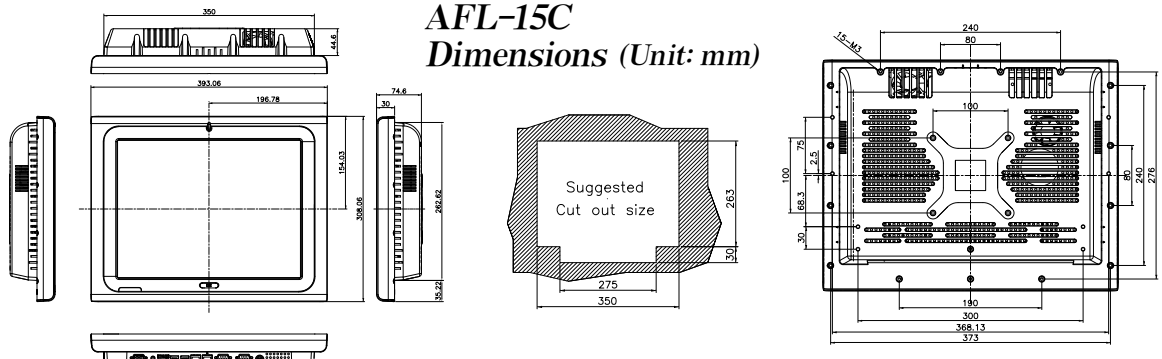
AFL-15A Dimensions (Unit: mm)



AFL-15i Dimensions (Unit: mm)



AFL-15C Dimensions (Unit: mm)



Ordering Information

• High Luminance (350 cd/m²)

Part Number	Description
AFL-15A-N270/R/1G-R22	15" 350cd/m² XGA fanless panel PC with Intel® Atom™ N270 1.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, touch screen, R22
AFL-15i-HM55-P45/R/1G-R12	15" 350cd/m² XGA panel PC with Intel® Celeron P4500 1.86G CPU, 1GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS
AFL-15i-HM55i3-35/R/2G-R12	15" 350cd/m² XGA panel PC with Intel® Core™ i3-350M 2.26G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS
AFL-15i-HM55i5-52/R/2G-R12	15" 350cd/m² XGA panel PC with Intel® Core™ i5-520M 2.4G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS
AFL-15i-HM55i7-62/R//2G-R12	15" 350cd/m² XGA panel PC with Intel® Core™ i7-620M 2.66G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS

• Regular Luminance (250 cd/m²)

Part Number	Description
AFL-15AE-N270/R/1G-R22	15" 250cd/m² XGA fanless panel PC with Intel® Atom™ N270 1.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, touch screen, R22
AFL-15iE-HM55-P45/R/1G-R12	15" 250cd/m² XGA panel PC with Intel® Celeron P4500 1.86G CPU, 1GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS
AFL-15iE-HM55i3-35/R/2G-R12	15" 250cd/m² XGA panel PC with Intel® Core™ i3-350M 2.26G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS
AFL-15iE-HM55i5-52/R/2G-R12	15" 250cd/m² XGA panel PC with Intel® Core™ i5-520M 2.4G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS
AFL-15iE-HM55i7-62/R/2G-R12	15" 250cd/m² XGA panel PC with Intel® Core™ i7-620M 2.66G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS

ISMM Supported Functions

	Voltage	Fan	Smart Fan	Temperature	WDT	Cash Drawer
AFL-15i(E)-HM55	V	V	V	V	V	
AFL-15A(E)-N270	V			V	V	

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63040-010060-030-RS 63040-010060-050-RS 63040-010096-010-RS	1	90~264V AC; 12V DC; 60W (15A(E)-LXPOS) 90~264V AC; 12V DC; 60W (15A-915, 15A-N270) 90~264V AC; 12V DC; 96W (15C-965, 15i-HM55)
Power Cord	32000-000002-RS	1	1750mm; European Standard
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

Options

Model	AFL-15A(E)-N270	AFL-15i(E)-HM55
Panel Mounting Kit	AFLPK-15	AFLPK-15B
Wall Mounting Kit	AFLWK-19	
Rack Mounting Kit	AFLRK-15-R11	N/A
Arm	ARM-11-RS / ARM-31-RS	
Stand	STAND-A19 / STAND-B19 / STAND-POS15 / STAND-210-R11	
OS: Win CE 5.0 (128 MB CF card)	--	--
OS: Win CE 6.0 (128 MB CF card)	AFLCF-15-N270-CE060-R21	--
OS: Win XPE (1 GB CF card)	AFLCF-15-N270-XPE-R21	AFLSD-15-HM55-2G-XPE-R12 (2GB SATA SSD)
OS: LINUX (2 GB CF card)	AFLCF-15-N270-LNX-R21	--
OS: Win 7 Embedded (2GB CF card)	AFLCF-15-N270-WES7E-R21	AFLSD-15-HM55-4G-WES7E (4GB SATA SSD)
Hybrid Card Reader	AFLP-17AMSI-U	
Magnetic Stripe Reader	AFLP-17AMSR-U	
DC 12V Input UPS	AUPS-B10-R10 (14.8V 3800mAH)	
DC 9~36V Input UPS	AUPS-B20-R10 (14.8V 3800mAH)	
Bluetooth V2.0+EDR	AFL-BT-KIT04-R10	AFL-BT-KIT01-R10

15" Wide 1366 x 768 AFOLUX Panel PC

AFL-W15A-N270

Intel® Atom™ N270 1.6GHz

AFL-W15A-GM45

Intel® Core™ 2 Duo T9400 2.53GHz Processor (max.)

Membrane Keypad for LCD On/Off, Brightness Down/Up, Volume Down/Up, Lock, Ambient Light Sensor On/Off Control

Ambient Light Sensor

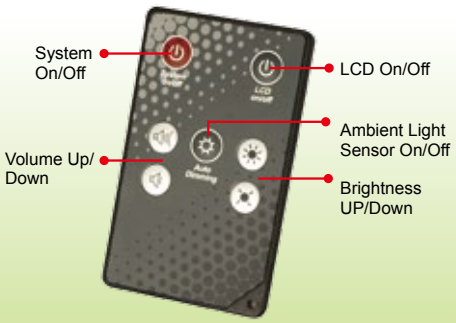
300K Pixel Camera (with Low Light Function) and Digital Microphone

HDMI High-Definition Multimedia Interface (for GM45 Systems Only)

Features

- 15” wide screen all-in-one system with resistive touch panel
- IEEE 802.11b/g/n Wi-Fi connection
- New High-Definition multimedia HDMI interface (for Intel® GM45 system)
- Built-in HSUPA module for mobile connection (optional)
- Ambient light sensor detects ambient light for automated screen adjustments.
- VESA-mountable for flexibility in mounting and deployment
- Membrane keypad to control LCD backlight, panel brightness, speakers volume, ambient light sensor and lock the keypad functions
- Software system settings utility support
- Support for Windows CE, Windows XP Embedded and Linux (optional)
- IP 64 compliant front panel

Infrared Remote Control

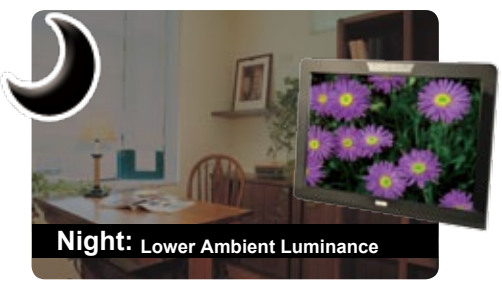


Ambient Light Sensor

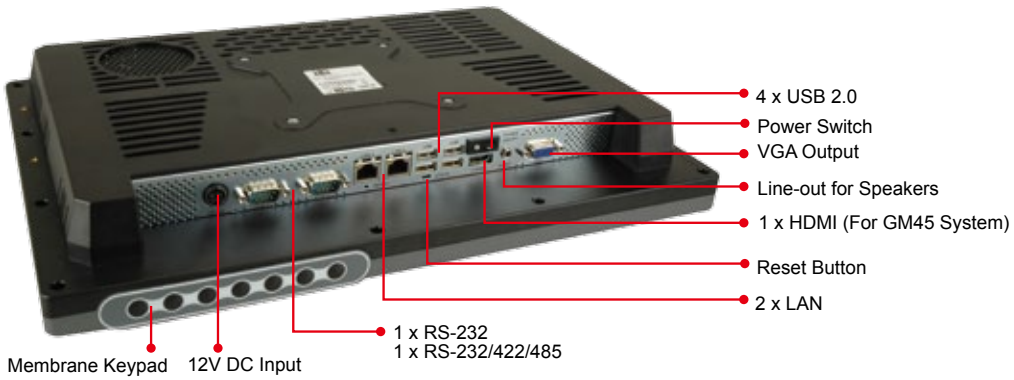
The AFL-W15A series has a built-in ambient light sensor at the front of the panel to automatically detect the amount of light in the viewing environment and auto-adjust the brightness of the screen.

Benefits:

- More comfortable viewing decreases eye strain and tiredness
- Power consumption saving
- Extend lamp lifetime

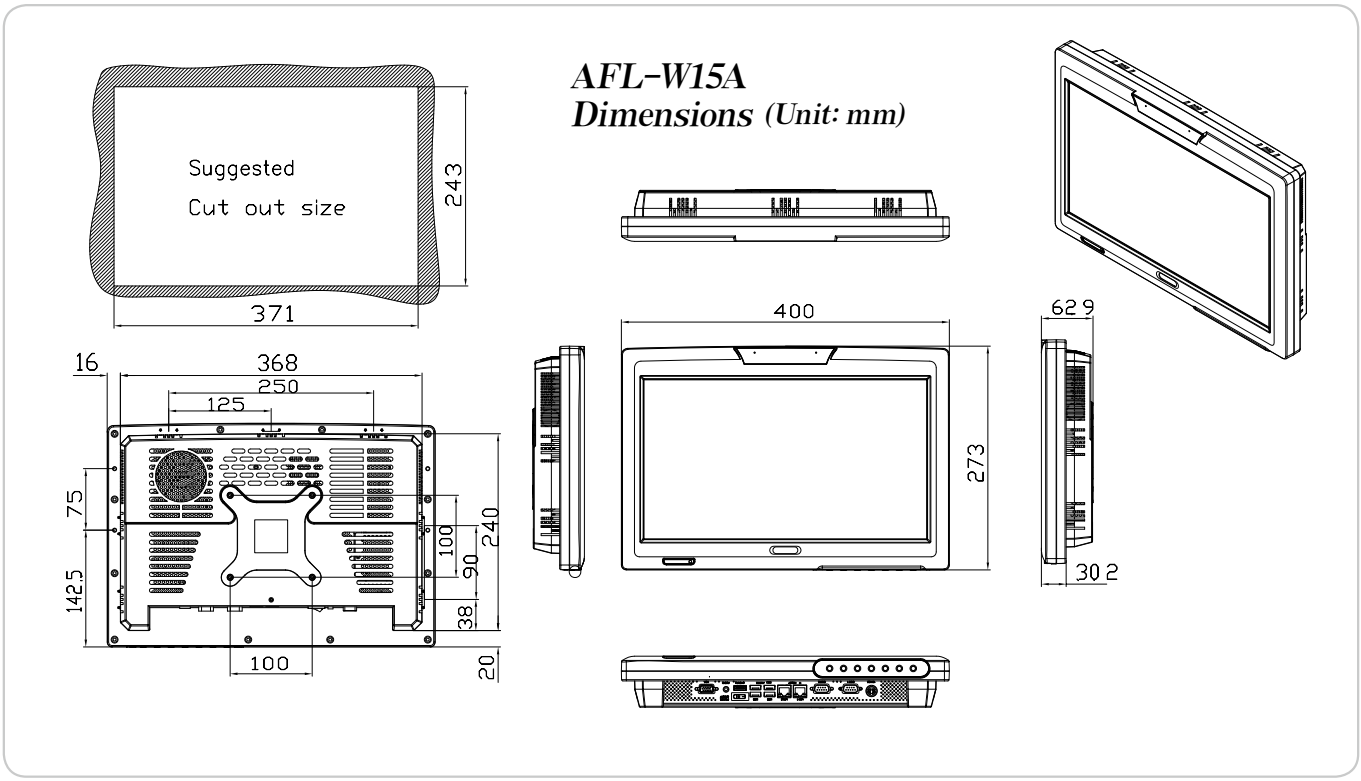


Fully Integrated I/O



Specifications

Model	AFL-W15A-N270	AFL-W15B-N270	AFL-W15A-GM45
LCD Size	15.6"		
Max Resolution	1366 x 768		
Brightness (cd/m²)	250		
Contrast Ratio	500 : 1		
LCD Color	16.2M		
Pixel Pitch (mm)	0.252 (W) x 0.252 (H)		
Viewing Angle (H-V)	110° / 85°		
Backlight MTBF	50000 hrs		
SBC Model	AFLMB2-945GSE-N270-R10		AFLMB2-GM45-R10
CPU	Intel® Atom™ N270 1.6GHz CPU		Intel® Celeron® M 575 2.0Ghz CPU Intel® Core™2 Duo P8400 2.26GHz CPU Intel® Core™2 Duo T9400 2.53GHz CPU
Chipset	Intel® 945GSE + ICH7M		Intel® GM45 Chipset + ICH9M
RAM	Supports one 400MHz or 533MHz DDRII SO-DIMM (2GB Max.)		Supports two 667MHz or 800MHz DDR2 SO-DIMM (4GB max.)
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Audio Port 1 x VGA Port 1 x Power Jack		1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x HDMI Port 1 x Audio Port 1 x VGA Port 1 x Power Jack
SSD	CF Type II		
Watchdog Timer	Software programmable supports 1~255 sec. system reset		
Audio	AMP 3W + 3W (internal speakers)		
Camera Module	300K pixel camera (with low light function) and digital microphone		
Wireless Connection	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini card interface)		
ODD Drive Bay	N/A	1 x CD/DVD combo drive bay	N/A
Construction Front Panel	ABS + PC Plastic front frame		
Membrane Keypad	LCD On/Off, Brightness Down/Up, Volume Down/Up, Lock, Ambient Light Sensor On/Off (OSD Lock: Lock button+ ALS button) (7 keys)		
Infrared Remote Control	LCD On/Off, Brightness Up/Down, Volume Up/Down, System On/Off, Ambient Light Sensor On/Off		
Ambient Light Sensor	Yes		Yes
Mounting	Panel, Wall, Stand and Arm VESA 100mm x 100mm		
Front Panel Color	Gray 7539U		
Dimensions (WxHxD) (mm)	400 x 273 x 63	400 x 273 x 70	400 x 273 x 63
Operation Temperature (°C)	0°C ~40°C with SATA HDD -10°C ~50°C with CF Card or SATA interface 2.5" SSD HDD		
Storage Temperature (°C)	-20°C ~60°C		
N/G Weight	3.3 Kg		
IP Level	Frant Frame IP64		
Safety & EMC	CE / FCC		
Touch Screen	5-wire Resistive Type (Touch controller IC is on board)		
Power Adapter	P/N: 63000-FSP060DBAB1554-RS 60W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC		P/N: 63000-FSP096AHB-RS 96W Power Adapter Input: 90VAC~264VAC,50/60Hz Output: 12VDC
Power Requirement	12VDC		
Power Consumption	50W		90W



Ordering Information

Part Number	Description
AFL-W15A-N270/R/1G-R22	15.6" 250cd/m² 1366x768 panel PC with Intel® Atom™ N270 1.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, touch screen, 300K camera, microphone, R22
AFL-W15A-GM45-CM5/R/1G-R23	15.6" 250cd/m² 1366x768 panel PC with Intel® Celeron® 2.0GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n WiFi, touch screen, 300K camera, microphone, R23, RoHS
AFL-W15A-GM45-P84/R/2G-R23	15.6" 250cd/m² 1366x768 panel PC with Intel® Core™2 Duo P8400 2.26GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n WiFi, touch screen, 300K camera, microphone, R23, RoHS
AFL-W15A-GM45-T94/R/2G-R23	15.6" 250cd/m² 1366x768 panel PC with Intel® Core™2 Duo T9400 2.53GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n WiFi, touch screen, 300K camera, microphone, R23, RoHS

Note 1: AFL-W15B-N270 is for project-based order

Options

Model	AFL-W15A-N270	AFL-W15A-GM45
Panel Mounting Kit	AFLPK-15B	
Wall Mounting Kit	AFLWK-19	
Rack Mounting Kit	AFLRK-W15	
Arm	ARM-11-RS / ARM-31-RS	
Stand	STAND-A19 / STAND-B19 / STAND-210-R11	
OS: Win CE 6.0 (128 MB CF card)	AFLCF-W15-N270-CE060-R21	N/A
OS: Win XPE (1 GB CF card)	AFLCF-W15-N270-XPE-R21	AFLCF-W15-GM45-XPE-R23
OS: Win LINUX (2 GB CF card)	AFLCF-W15-N270-LNX-R21	AFLCF-W15-GM45-LNX-R23
OS: Win 7 Embedded (2GB CF card)	AFLCF-W15-N270-WES7E-R21	AFLCF-W15-GM45-WES7E-R23
Hybrid Card Reader	AFLP-W15AMSI-U	
Magnetic Stripe Reader	AFLP-W15AMSR-U	
DC 12V Input UPS	AUPS-B10-R10 (VESA 100, DC 12V input, 12V output 100W UPS module with 3800mAH)	
DC 9~36V Input UPS	AUPS-B20-R10 (VESA 100, DC 9~36V input, 12V output 100W UPS module with 3800mAH)	
Bluetooth V2.0+EDR	AFL-BT-KIT04-R10	AFL-BT-KIT03-R10

Note: Win CE application without digital microphone function

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63000-FSP096AHB-RS 63000-FSP060DBAB1554-RS	1	90~264V AC; 12V DC; 96W (W15A-GM45) 90~264V AC; 12V DC; 60W (W15A-N270)
Power Cord	32000-000002-RS	1	1750mm; (EU or US, depending on the shipment country)
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

ISMM Supported Functions

	Voltage	Fan	Smart Fan	Temperature	WDT	Cash Drawer
AFL-W15A-N270	V			V	V	
AFL-W15A-GM45	V	V	V	V	V	

17" SXGA AFOLUX Panel PC

AFL-17i(E)-HM55

Intel® Core i7-620M 2.66GHz Processor

New HM55 Platform Features:

- Powered by high performance 2.66 GHz Intel® Core i7-620M CPU with Intel® HM55 chipset
- DDR3 1066MHz system memory up to 4GB
- HDMI port delivers high image quality on the second display
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (over 4GB storage capacity is suggested)

Specifications

Model	AFL-17i-HM55
LCD Size	17"
Max Resolution	1280 x 1024
Brightness (cd/m²)	380
Contrast Ratio	800 : 1
LCD Color	16.7M
Pixel Pitch (mm)	0.264 (H) x 0.264 (V)
Viewing Angle (H-V)	160° / 160°
Backlight MTBF	50000 hrs
SBC Model	AFLMB2-HM55-R10
CPU	Socket G (PGA989A) Intel® Core™ i series processor
Chipset	Intel® HM55
RAM	Two 204-pin 800/1066MHz DDR3 dual-channel SO-DIMMs supported (system max. 8GB)
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Audio Port (Line-Out) 1 x VGA 1 x Power Jack 1 x HDMI Port
SSD	SATA SSD
Watchdog Timer	Software programmable supports 1~255 sec. system reset
Audio	AMP 3W + 3W (internal speakers)
Wireless Connection	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini card interface)
Drive Bay	1 x 2.5" SATA HDD bay
Construction Front Panel	ABS + PC Plastic front frame
Membrane Keypad	LCD On/Off, Brightness Up/Down, Volume Up/Down (5 keys)
LED Function	1 x Power on/off LED on front panel
Mounting	Panel, Wall, Rack, Stand and Arm VESA 100mm x 100mm
Front Panel Color	Sliver (877U) & Gray (ABSA2037)
Dimensions (WxHxD) (mm)	428 x 350 x 71
Operation Temperature (°C)	0°C ~ 50°C
Storage Temperature (°C)	-20°C ~60°C
N/G Weight	6.0 Kg
IP Level	Front Frame IP64
Touch Screen	5-wire resistive type (touch controller IC is on board) or Capacitive type touch screen without HDD bay
Power Adapter	P/N: 63000-FSP096AHB-RS 96W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC
Power Requirement	12VDC
Power Consumption	85W

17" SXGA AFOLUX Panel PC

AFL-17D-N270

Intel® Atom™ N270 1.6GHz

AFL-17D-GM45

Intel® Core™2 Duo T9400 2.53GHz Processor

Digital Camera:
300K Camera with Low Light Function

Deep Glossy Black Surface

5-key membrane keypad

(for GM45 systems)

Easy access CF card

Convenient USBs on the side

Built-in ODD (optional)

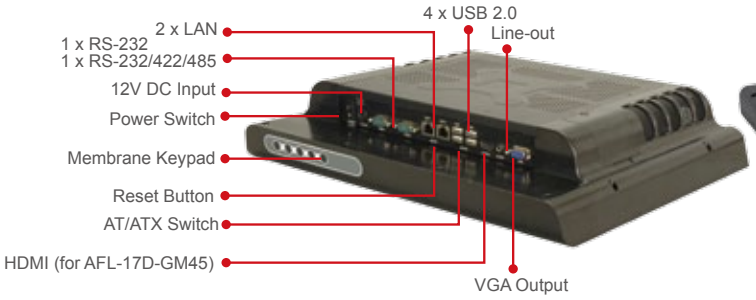
Specifications

Fanless

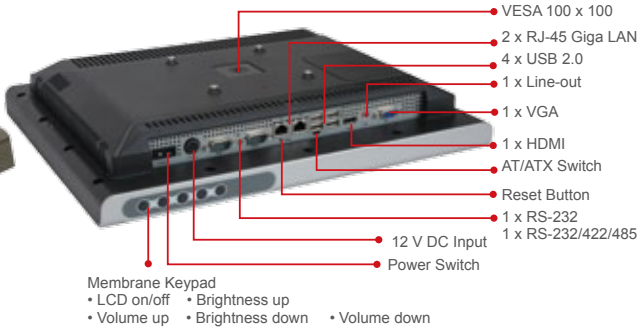
Model	AFL-17D-N270	AFL-17D-GM45
LCD Size	17"	
Max Resolution	1280 x 1024	
Brightness (cd/m²)	300	
Contrast Ratio	800 : 1	
LCD Color	16.7M	
Pixel Pitch (mm)	0.264 (H) x 0.264 (V)	
Viewing Angle (H-V)	160° / 160°	
Backlight MTBF	50000 hrs	
SBC Model	AFLMB2-N270-R10	AFLMB2-GM45-R10
CPU	Intel® Atom™ processor N270 1.6GHz CPU	Intel® Celeron® M 575 2.0GHz CPU Intel® Core™ 2 Duo P8400 2.26GHz CPU Intel® Core™ 2 Duo T9400 2.53GHz CPU
Chipset	Intel® 945GSE + ICH7M	Intel® GM45 Chipset + ICH9M
RAM	Supports one 400MHz or533MHz DDR2 SO-DIMMs (2GB Max.)	Supports two 667MHz or 800MHz DDR2 SO-DIMMs (4GB max.)
I/O Ports	1 x RS- 232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Audio Port 1 x VGA Port 1 x Power Jack	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x HDMI Port 1 x Audio Port 1 x VGA Port 1 x Power Jack
SSD	CF Type II	
Watchdog Timer	Software programmable supports 1~255 sec. system reset	
Audio	AMP 3W + 3W (internal speakers)	
Camera Module	300K pixel with digital microphone	
Wireless Connection	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini card interface)	
Drive Bay	1 x 2.5" SATA HDD bay, 1 x Slim Type CD-ROM bay	
Construction Front Panel	ABS + PC Plastic front frame	
Membrane Keypad	LCD On/Off, Brightness Up/Down, Volume Up/Down (5 keys)	
LED Function	1 x Power on/off LED on front panel	
Mounting	Panel, Wall, Rack, Stand and Arm VESA 100mm x 100mm	
Front Panel Color	Black C	
Dimensions (WxHxD) (mm)	410 x 349 x 83	
Operation Temperature (°C)	0°C ~40°C with SATA HDD -10°C ~50°C with CF Card or SATA interface 2.5" SSD HDD	0°C ~40°C with SATA HDD 0°C ~45°C with CF Card or SATA interface 2.5" SSD HDD
Storage Temperature (°C)	-20°C ~60°C	
N/G Weight	6.2 Kg	
IP Level	Front Frame IP64	
Safety & EMC	CE / FCC	
Touch Screen	5-wire resistive type (touch controller IC is on board) or Capacitive type touch screen without HDD bay	
Power Adapter	P/N: 63000-FSP084DMBA1308-RS 84W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC	P/N: 63000-FSP150AHAN1808-RS 150W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC
Power Requirement	12VDC	
Power Consumption	58W	90W

Fully Integrated I/O

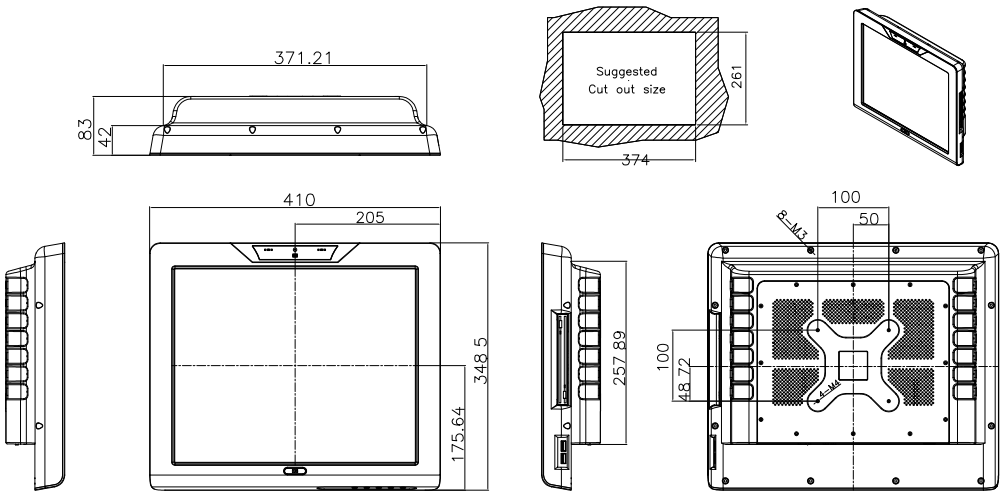
• AFL-17D-N270/AFL-17D-GM45



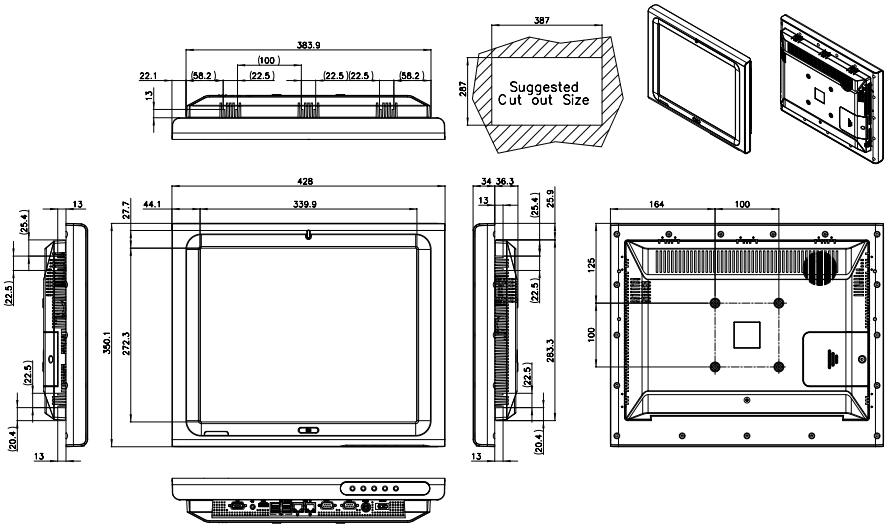
• AFL-17i-HM55



AFL-17D Dimensions (Unit: mm)



AFL-17i-HM55 Dimensions (Unit: mm)



Ordering Information

Part Number	Description
AFL-17D-N270/R/1G-R22	17" 300cd/m² SXGA fanless panel PC with Intel® Atom™ N270 1.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, touch screen, 300K camera, microphone, R22
AFL-17D-N270/RD/1G-R22	17" 300cd/m² SXGA fanless panel PC with Intel® Atom™ N270 1.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n Wi-Fi, touch screen, 300K camera, microphone, DVD-COMBO, R22
AFL-17D-GM45-CM5/R/1G-R23	17" 300cd/m² SXGA panel PC with Celeron® M 2.0GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, touch screen, 300K camera, microphone, R23, RoHS
AFL-17D-GM45-P84/R/2G-R23	17" 300cd/m² SXGA panel PC with Intel® Core™2 Duo P8400 2.26GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module, touch screen, 300K camera, microphone, R23, RoHS
AFL-17D-GM45-T94/R/2G-R23	17" 300cd/m² SXGA panel PC with Intel® Core™2 Duo T9400 2.53GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module, touch screen, 300K camera, microphone, R23, RoHS
AFL-17D-GM45-CM5/RD/1G-R23	17" 300cd/m² SXGA panel PC with Celeron® M 2.0GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n Wi-Fi, touch screen, 300K camera, microphone, DVD-RW, R23, RoHS
AFL-17D-GM45-P84/RD/2G-R23	17" 300cd/m² SXGA panel PC with Intel® Core™2 Duo P8400 2.26GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n Wi-Fi, touch screen, 300K camera, microphone, DVD-RW, R23, RoHS
AFL-17D-GM45-T94/RD/2G-R23	17" 300cd/m² SXGA panel PC with Intel® Core™2 Duo T9400 2.53GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n Wi-Fi, touch screen, 300K camera, microphone, DVD-RW, R23, RoHS
AFL-17i-HM55-P45/R/1G-R12	17" 380cd/m² SXGA panel PC with Intel® Celeron® P4500 1.86G CPU, 1GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS
AFL-17i-HM55i3-35/R/2G-R12	17" 380cd/m² SXGA panel PC with Intel® Core™ i3-350M 2.26G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS
AFL-17i-HM55i5-52/R/2G-R12	17" 380cd/m² SXGA panel PC with Intel® Core™ i5-520M 2.4G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS
AFL-17i-HM55i7-62/R/2G-R12	17" 380cd/m² SXGA panel PC with Intel® Core™ i7-620M 2.66G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS

ISMM Supported Functions

	Voltage	Fan	Smart Fan	Temperature	WDT
AFL-17i-HM55	V	V	V	V	V
AFL-17D-N270	V			V	V
AFL-17D-GM45	V	V	V	V	V

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63000-FSP084DMBA1308-RS 63000-FSP096AHB-RS 63000-FSP150AHAN1808-RS	1	90~264V AC; 12V DC; 84W (17A-915, 17D-N270) 90~264V AC; 12V DC; 96W (17i-HM55, 17C-965) 90~264V AC; 12V DC; 150W (17D-GM45)
Power Cord	32000-000002-RS	1	1750mm; European Standard
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

Options

Model	AFL-17D-N270	AFL-17i-HM55	AFL-17D-GM45
Panel Mounting Kit	AFLPK-17D	AFLPK-17B	AFLPK-17D
Wall Mounting Kit	AFLWK-19		
Rack Mounting Kit	AFLRK-17D-R11	N/A	AFLRK-17D-R11
Arm	ARM-11-RS / ARM-31-RS		
Stand	STAND-A19, STAND-B19, STAND-210-R11		
OS: Win CE 5.0 (128 MB CF card)	N/A	N/A	N/A
OS: Win CE 6.0 (128 MB CF card)	AFLCF-17-N270-CE060-R21	N/A	N/A
OS: Win XPE (1 GB CF card)	AFLCF-17-N270-XPE-R21	AFLSD-17-HM55-2G-XPE-R12 (2GB SATA SSD)	AFLCF-17-GM45-XPE-R23
OS: LINUX (2 GB CF card)	AFLCF-17-N270-LNX-R21	N/A	AFLCF-17-GM45-LNX-R23
OS: Win 7 Embedded (2GB CF card)	AFLCF-17-N270-WES7E-R21	AFLSD-17-HM55-4G-WES7E (4GB SATA SSD)	AFLCF-17-GM45-WES7E-R23
Hybrid Card Reader	N/A	AFLP-17BMSI-U	N/A
Magnetic Stripe Reader	N/A	AFLP-17BMSR-U	N/A
DC 12V Input UPS	AUPS-B10-R10 (VESA 100, DC 12V input, 12V output 100W UPS module with 3800mAH)		
DC 9~36V Input UPS	AUPS-B20-R10 (VESA 100, DC 9~36V input, 12V output 100W UPS module with 3800mAH)		
Bluetooth V2.0+EDR	AFL-BT-KIT04-R10	AFL-BT-KIT01-R10	AFL-BT-KIT03-R10

Note: Win CE application without digital microphone function

19" SXGA AFOLUX Panel PC

AFL-19i(E)-HM55

Intel® Core™ i7-620M 2.66GHz Processor

New HM55 Platform Features:

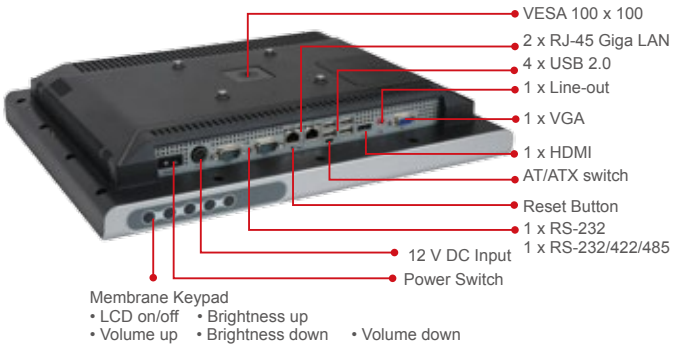
- Powered by high performance 2.66 GHz Intel® Core™ i7-620M CPU with Intel® HM55 chipset
- 1066MHz DDR3 system memory up to 4GB
- HDMI port delivers high image quality on the second display
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (over 4GB storage capacity is suggested)

Specifications

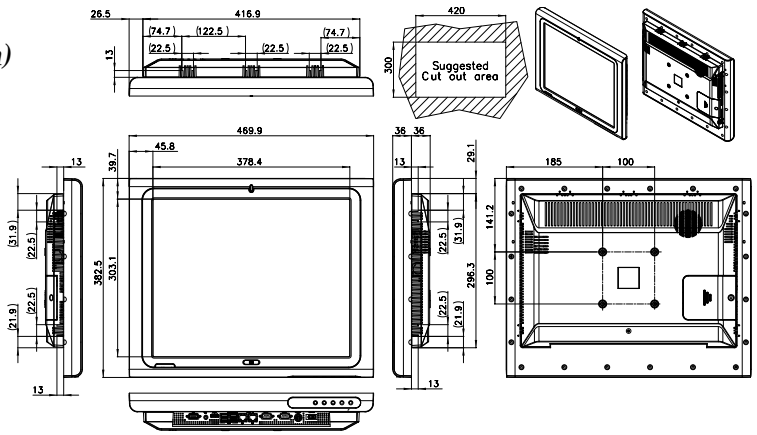
Model	AFL-19i-HM55	
LCD Size	19"	
Max Resolution	1280 x 1024	
Brightness (cd/m²)	450	
Contrast Ratio	1000 : 1	
LCD Color	16.7M	
Pixel Pitch (mm)	0.294 (H) x 0.294 (V)	
Viewing Angle (H-V)	178° / 178°	
Backlight MTBF	50000 hrs	
SBC Model	AFLMB2-HM55-R10	
CPU	Socket G (PGA989A) Intel® Core™ i series processor	
Chipset	Intel® HM55	
RAM	Two 204-pin 800/1066MHz DDR3 dual-channel SO-DIMMs supported (system max. 8GB)	
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Audio Port (Line-out) 1 x VGA 1 x Power Jack 1 x HDMI Port	
SSD	SATA SSD	
Watchdog Timer	Software programmable supports 1~255 sec. system reset	
Audio	AMP 3W + 3W (internal speakers)	
Wireless Connection	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini card interface)	
Drive Bay	1 x 2.5" SATA HDD bay	
Construction Front Panel	ABS + PC Plastic front frame	
Membrane Keypad	OSD Keypad below the Front Panel (5 keys)	
LED Function	1 x Power on/off LED on front panel	
Mounting	Panel, Wall, Stand and Arm VESA 100mm x 100mm	
Front Panel Color	Sliver (877U) & Gray (ABSA2037)	
Dimensions (WxHxD) (mm)	470 x 383 x 72	
Operation Temperature (°C)	0°C~50°C	
Storage Temperature (°C)	-20°C ~60°C	
N/G Weight	6.2Kg	
IP Level	Front Frame IP64	
Touch Screen	Resistive Type 5-Wire (Touch controller IC is on board)	
Power Adapter	P/N: 63000-FSP096AHB-RS 96W Power Adapter Input: 90VAC~264VAC, 50 / 60 Hz Output: 12VDC	
Power Requirement	12VDC	
Power Consumption	88W (Intel® T7500, 2GB memory, 80G HDD)	87W

Fully Integrated I/O

- **AFL-19i-HM55**



AFL-19i Dimensions (Unit: mm)



Ordering Information

Part Number	Description
AFL-19i-HM55-P45/R/1G-R12	19" 450cd/m² SXGA panel PC with Intel® Celeron® P4500 1.86G CPU, 1GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS
AFL-19i-HM55i3-35/R/2G-R12	19" 450cd/m² SXGA panel PC with Intel® Core™ i3-350M 2.26G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS
AFL-19i-HM55i5-52/R/2G-R12	19" 450cd/m² SXGA panel PC with Intel® Core™ i5-520M 2.4G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS
AFL-19i-HM55i7-62/R/2G-R12	19" 450cd/m² SXGA panel PC with Intel® Core™ i7-620M 2.66G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R12, RoHS

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63000-FSP084DMBA1308-RS 63000-FSP096AHB-RS	1	90~264V AC; 12V DC; 84W (19A-915) 90~264V AC; 12V DC; 96W (19i-HM55, 19C-965)
Power Cord	32000-000002-RS	1	1750mm; European Standard
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

ISMM Supported Functions

	Voltage	Fan	Smart Fan	Temperature	WDT	Cash Drawer
AFL-19i-HM55	V	V	V	V	V	

Options

Model	AFL-19i-HM55
Panel Mounting Kit	AFLPK-19B
Wall Mounting Kit	AFLWK-19
Rack Mounting Kit	N/A
Arm	ARM-11-RS / ARM-31-RS
Stand	STAND-A19 / STAND-B19 / STAND-210-R11
OS: Win CE 5.0 (128 MB CF card)	N/A
OS: Win CE 6.0 (128 MB CF card)	N/A
OS: Win XPE (1 GB CF card)	AFLSD-19-HM55-2G-XPE-R12 (2GB SATA SSD)
OS: LINUX (2 GB CF card)	N/A
OS: Win 7 Embedded	AFLSD-17-HM55-4G-WES7E (4GB SATA SSD)
Hybrid Card Reader	AFLP-19AMSI-U
Magnetic Stripe Reader	AFLP-19AMSR-U
DC 12V Input UPS	AUPS-B10-R10 (VESA 100, DC 12V input, 12V output 100W UPS module with 3800mAH)
DC 9~36V Input UPS	AUPS-B20-R10 (VESA 100, DC 9~36V input, 12V output 100W UPS module with 3800mAH)
Bluetooth V2.0+EDR	AFL-BT-KIT01-R10

19" Wide 1440 x 900 AFOLUX Panel PC

AFL-W19A-N270

Intel® Atom™ N270 1.6GHz Processor

AFL-W19A-GM45

Intel® Core™2 Duo 1.6GHz 2.53GHz Processor(max.)

Mirror Black Glossy Finish

Slim-type Optical Disk Drive

Membrane Keypad for System Function Control

Ambient Light Sensor (Only for AFL-W19A Series)

300K Pixel Camera (with Low Light Function) and Digital Microphone

HDMI High-Definition Multimedia Interface (For GM45 Systems Only)

Two USB Ports on the Side of AFL-W19B-GM45

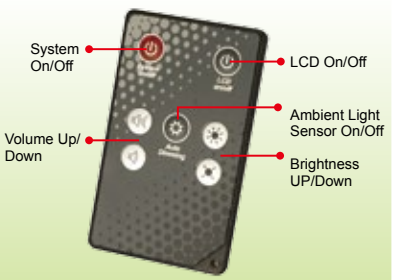
F3 One Key Recovery
iEi symantec.

Wireless 802.11 b/g | Speakers | Microphone | Camera | Built-in ODD

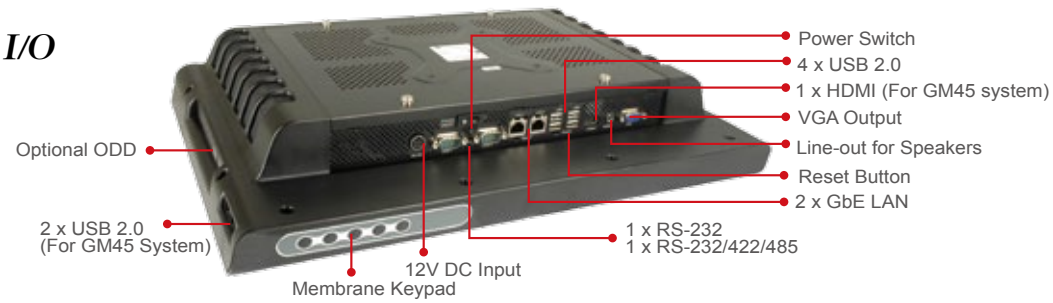
Features

- 19” wide screen all-in-one system with resistive touch panel
- High performance panel PC integrated with Intel® GM45 chipset and 45nm mobile Core™2 Duo processor
- High quality wide screen panel featuring 16:10 aspect ratio, high contrast and fast response time
- Fanless system integrated with Intel® Atom™ N270 1.6G processor for ultra low voltage
- CD/DVD-ROM drive bay (for B type model)
- IEEE 802.11b/g/n Wi-Fi connection
- New HDMI High-Definition multimedia interface (for Intel® GM45 system)
- Built-in two speakers
- Built-in capitalize technology
- Ambient light sensor detects ambient light for automated screen adjustments
- VESA-mountable for flexibility in mounting and deployment
- iSMM system utility included for system settings
- Support Windows® CE, Windows® XP Embedded and Linux (optional)
- IP 64 compliant front panel
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (suggest over 4GB storage capacity)

Infrared Remote Control (For AFL-W19A Series Only)



Fully Integrated I/O



Specifications

Fanless

Model	AFL-W19A-GM45
LCD Size	19"
Max Resolution	1440 x 900
Brightness (cd/m²)	300
Contrast Ratio	1000:1
LCD Color	16.2M
Pixel Pitch (mm)	0.285 (H) x 0.285 (V)
Viewing Angle (H-V)	170° / 160°
Backlight MTBF	50000 hrs
SBC Model	AFLMB2-GM45-R10
CPU	Intel® Core™2 Duo T7500 2.2GHz CPU (max.)
Chipset	Intel® GM45 Chipset + ICH9M
RAM	Supports two 667MHz or 800MHz DDR2 SO-DIMM (4GB max.)
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x HDMI Port 1 x Audio Port 1 x VGA Port 1 x Power Jack
SSD	CF Type II
Watchdog Timer	Software programmable supports 1~255 sec. system reset
Audio	AMP 1.5W + 1.5W (internal speakers)
Camera Module	300K pixel camera (with low light function) and digital microphone
Wireless Connection	1 x Wireless LAN 802.11 b/g/n module (internal PCIe Mini card interface)
Drive Bay	1 x 2.5" SATA HDD bay
Construction Front Panel	ABS + PC Plastic front frame
Membrane Keypad	LCD On/Off, Brightness Down/Up, Volume Down/Up, Lock, Ambient Light Sensor On/Off (7 keys)
Ambient Light Sensor	Yes
Infrared Remote Control	LCD On/Off, Brightness Up/Down, Volume Up/Down, System On/Off, Ambient Light Sensor On/Off
Mounting	Panel, Wall, Stand and Arm VESA 100mm x 100mm
Front Panel Color	Black C
Dimensions (WxHxD) (mm)	475 x 259 x 65
Operation Temperature (°C)	0°C ~40°C with HDD -10°C ~50°C with CF Card or SATA interface 2.5" SSD HDD
Storage Temperature (°C)	-20°C ~60°C
N/G Weight	5.8 Kg
IP Level	Frant Frame IP64
Safety & EMC	CE / FCC
Touch Screen	5-wire resistive type (touch controller IC is on board)
Power Adapter	P/N: 63000-FSP150AHAN1808-RS 150W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC
Power Requirement	12VDC
Power Consumption	88W

CD-RW/DVD-RW Drive Spec.

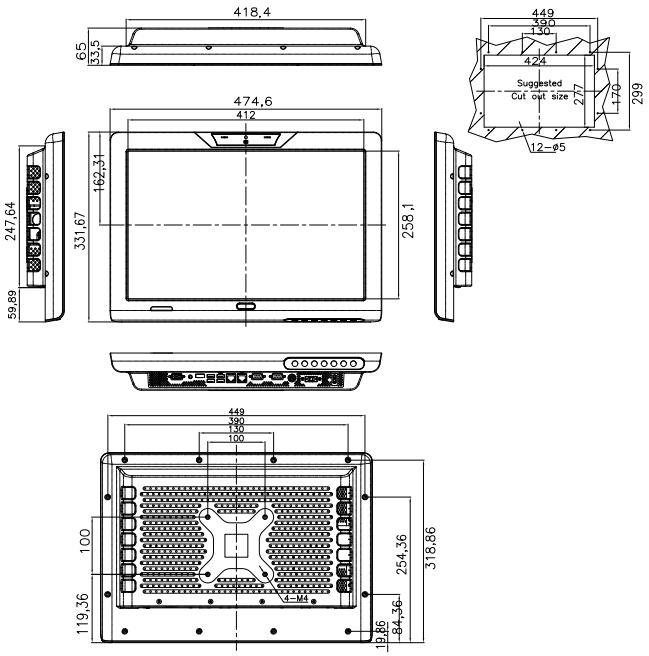
Easy Access DVD Drive Bay

The drive is able to write CD-R/RW disks and DVD-R/RW disks

Drive Type	Internal Slim CD-RW/DVD Combo Drive	
Data Transfer Rate	Write: CD-R: 24X CD-RW: 24X	Read: DVD-ROM: 8X CD-ROM: 24X
Interface	SATA	
Buffer Memory	2MB	

Note: Wi-Fi 802.11 draft N is upgradable.
Note: Optional 1.3MP camera with digital microphone module

AFL-W19A
Dimensions (Unit: mm)



Ordering Information

	Part Number	Description
W/O ODD	AFL-W19A-N270/R/1G-R23	19" 300cd/m² 1440x900 panel PC with Intel® Atom™ N270 1.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, touch screen, 300K camera, microphone, R23
	AFL-W19A-GM45-CM5/R/1G-R23	19" 300cd/m² 1440x900 panel PC with Celeron® M 2.0GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n WiFi, touch screen, 300K camera, microphone, R23
	AFL-W19A-GM45-P84/R/2G-R23	19" 300cd/m² 1440x900 panel PC with Core™2 Duo P:8400 2.26GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n WiFi, touch screen, 300K camera, microphone, R23
	AFL-W19A-GM45-T94/R/2G-R23	19" 300cd/m² 1440x900 panel PC with Core™2 Duo T9400 2.53GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n WiFi, touch screen, 300K camera, microphone, R23

Options

Model	AFL-W19A-N270	AFL-W19A-GM45
Panel Mounting Kit	AFLPK-W19B	
Wall Mounting Kit	AFLWK-19	
Rack Mounting Kit	--	
Arm	ARM-11-RS / ARM-31-RS	
Stand	STAND-A19 / STAND-B19 / STAND-210-R11	
OS: Win CE 6.0 (128 MB CF card)	AFLCF-W19-N270-CE060-R21	--
OS: Win XPE(1 GB CF card)	AFLCF-W19-N270-XPE-R21	AFLCF-W19-GM45-XPE-R23
OS: LINUX(2 GB CF card)	AFLCF-W19-N270-LNX-R21	AFLCF-W19-GM45-LNX-R23
OS: Win 7 Embedded (2GB CF card)	AFLCF-W19-N270-WES7E-R21	AFLCF-W19-GM45-WES7E-R23
DC 12V Input UPS	AUPS-B10-R10 (VESA 100, DC 12V input, 12V output 100W UPS module with 3800mAH)	
DC 9~36V Input UPS	AUPS-B20-R10 (VESA 100, DC 9~36V input, 12V output 100W UPS module with 3800mAH)	
Bluetooth V2.0+EDR	AFL-BT-KIT04-R10	AFL-BT-KIT02-R10

Note: Win CE application without digital microphone function

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63000-FSP084DMBA1308-RS 63000-FSP150AHAN1808-RS	1	90~264V AC; 12V DC; 84W (W19A/B-N270) 90~264V AC; 12V DC; 150W (W19A/B-GM45)
Power Cord	32000-000002-RS	1	1750mm; (EU or US, depending on the shipment country)
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

ISMM Supported Functions

	Voltage	Fan	Smart Fan	Temperature	WDT	Cash Drawer
AFL-W19A-N270	V			V	V	
AFL-W19A-GM45	V	V	V	V	V	